

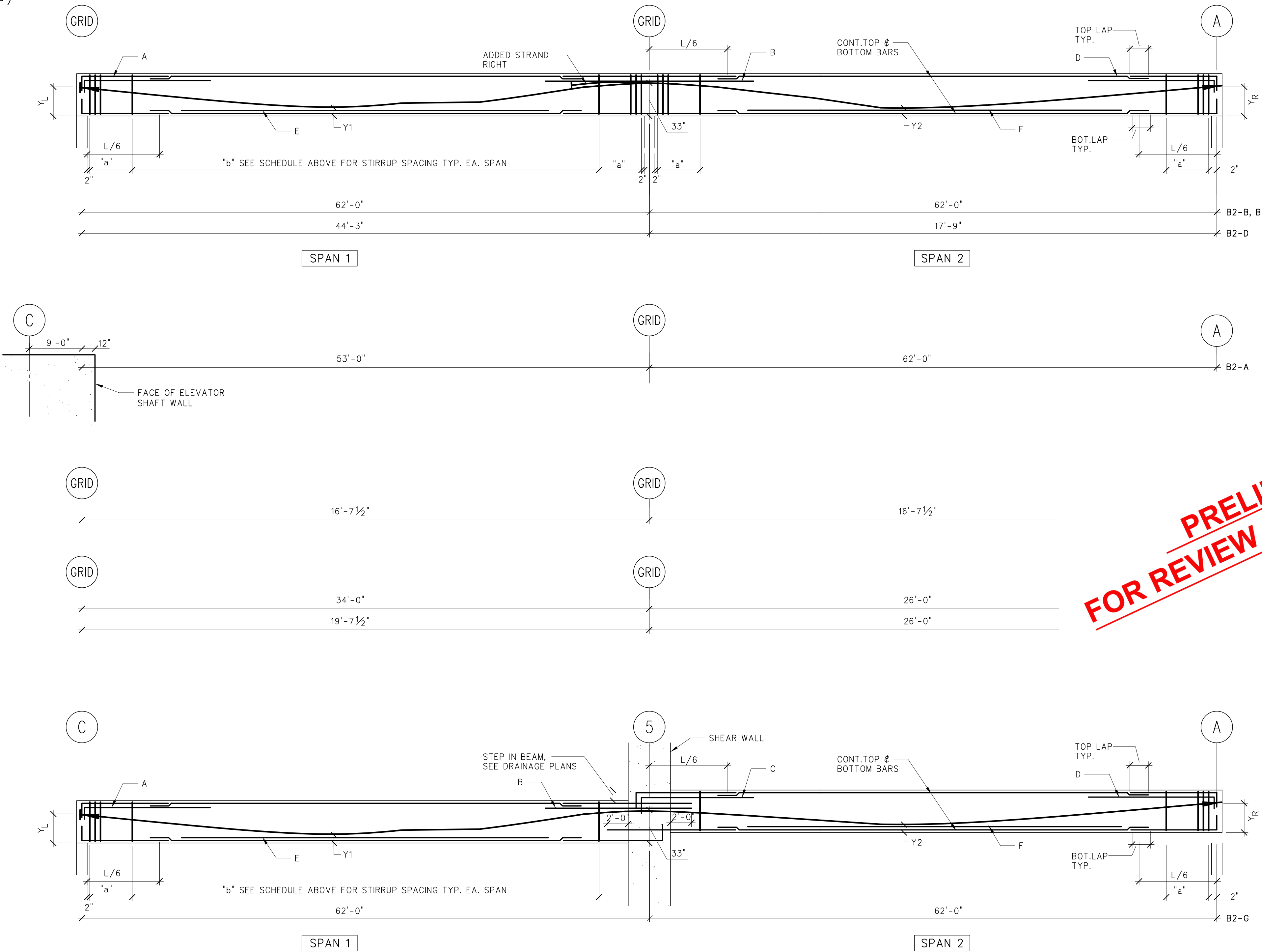
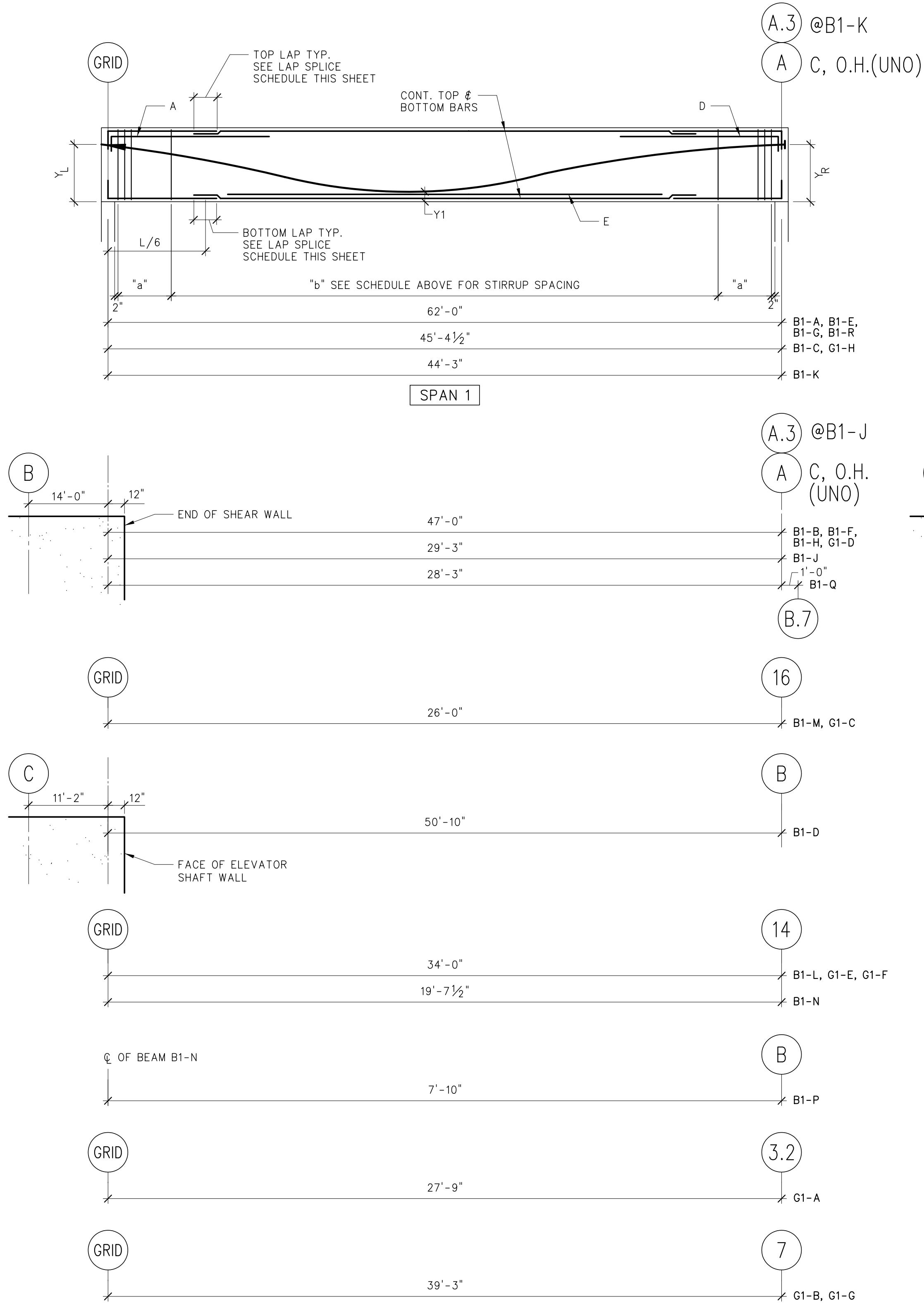
PLOTTED 02-24-05 09:25 hyong g:\cadd\2002\02044\0244s61.dwg

CONCRETE BEAM & GIRDER SCHEDULE																																	
		POST TENSIONING											REINFORCING STEEL											#4 BEAM STIRRUP SPACING						BEAM CAMBERS		REMARKS	
MARK	BEAM SIZE bxd	EFFECTIVE FORCE		C.G.S. FROM BOTTOM OF BEAM								CONT. TOP	CONT. BOT.	A	B	C	D	E	F	G	H	"a"	"b"										
		CONT.	ADDED STRAND LEFT	ADDED STRAND RIGHT	Y _L	Y ₁	Y ₂	Y ₃	Y ₄	Y ₅	Y ₆												Y _R	SPAN 1	SPAN 2	SPAN 3	SPAN 4	SPAN 5			SPAN 6		
B1-A	14x36	241.2 k	-	-	25"	3"	X"	X"	X"	X"	X"	25"	2-#6	2-#8	3-#9x17'-0"	-	-	-	-	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-B	14x36	214.4 k	-	-	25"	12"	-	-	-	-	-	25"	2-#6	2-#8	2-#9x14'-0"	-	-	1-#4x36'-0"	-	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-C	14x36	214.4 k	-	-	25"	12"	-	-	-	-	-	25"	2-#6	2-#8	2-#8x14'-0"	-	-	2-#8x14'-0"	1-#9x36'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-D	14x36	214.4 k	-	-	26"	6"	-	-	-	-	-	25"	2-#6	2-#8	5-#9x15'-0"	-	-	2-#9x15'-0"	4-#9x37'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-E	36x36	696.8 k	-	-	21 3/4"	4"	-	-	-	-	-	21 3/4"	3-#8	4-#9	3-#9x17'-0"	-	-	3-#9x17'-0"	3-#8x47'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2	SEE DETAIL 11/S6.4		
B1-F	36x36	428.8 k	-	-	21 3/4"	4"	-	-	-	-	-	21 3/4"	3-#8	4-#9	3-#8x14'-0"	-	-	2-#8x14'-0"	1-#8x36'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2	SEE DETAIL 11/S6.4		
B1-G	14x36	268.0 k	-	-	25"	3"	-	-	-	-	-	25"	2-#6	2-#8	4-#9x17'-0"	-	-	2-#9x17'-0"	2-#9x47'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-H	14x36	214.4 k	-	-	25"	3"	-	-	-	-	-	24"	2-#6	2-#8	3-#8x14'-0"	-	-	2-#9x14'-0"	4-#9x36'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-J	14x36	214.4 k	-	-	25"	16"	-	-	-	-	-	25"	2-#6	2-#8	2-#8x 9'-0"	-	-	2-#8x 9'-0"	-	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-K	14x36	214.4 k	-	-	25"	7"	-	-	-	-	-	25"	2-#6	2-#8	2-#8x14'-0"	-	-	2-#8x14'-0"	2-#7x36'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2	TURN STIRRUPS IN AT GRID 14		
B1-L	14x24	214.4 k	-	-	16"	5"	-	-	-	-	-	16"	2-#6	2-#8	2-#7x11'-0"	-	-	2-#7x11'-0"	1-#6x27'-0"	-	-	N/A	10"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-M	24x36	0 k	-	-	-	-	-	-	-	-	-	-	2-#8	3-#9	x 8'-0"	-	-	x 8'-0"	x20'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-N	24x24	0 k	-	-	-	-	-	-	-	-	-	-	2-#7	2-#9	-	-	-	-	-	-	-	SEE NOTE 1	10"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-P	14x24	0 k	-	-	-	-	-	-	-	-	-	-	2-#5	2-#7	-	-	-	-	-	-	-	SEE NOTE 1	10"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-Q	24x18	187.6 k	-	-	12 1/4"	3"	-	-	-	-	-	12 1/4"	2-#6	2-#7	2-#8x 9'-0"	-	-	2-#8x 9'-0"	1-#6x23'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-R	14x36	321.6 k	-	-	25"	3"	-	-	-	-	-	25"	2-#6	3-#9	4-#9x17'-0"	-	-	2-#8x17'-0"	2-#7x47'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B1-S	14x36	321.6 k	-	-	25"	3"	-	-	-	-	-	23 1/2"	2-#6	2-#8	3-#9x17'-0"	-	-	3-#9x17'-0"	3-#9x47'-0"	-	-	SEE NOTE 1	16"o/c	-	-	-	-	-	-	SEE NOTE 2			
B2-A	14x36	268.0 k	-	-	26"	10"	3"	-	-	-	-	26 1/2"	2-#6	2-#8	4-#10x21'-0"	4-#9x32'-0"	-	3-#8x17'-0"	4-#9x41'-0"	2-#8x47'-0"	-	-	SEE NOTE 1	16"o/c	16"o/c	-	-	-	-	SEE NOTE 2			
B2-B	14x36	241.2 k	-	-	25 1/2"	3"	3"	-	-	-	-	25 1/2"	2-#6	2-#8	3-#8x17'-0"	4-#9x32'-0"	-	3-#8x17'-0"	2-#7x47'-0"	2-#7x47'-0"	-	-	SEE NOTE 1	16"o/c	16"o/c	-	-	-	-	SEE NOTE 2			
B2-C	14x36	241.2 k	-	-	25"	3"	3"	-	-	-	-	25"	2-#6	2-#8	2-#9x17'-0"	4-#9x19'-0"	4-#9x17'-0"	2-#9x17'-0"	2-#7x47'-0"	2-#7x47'-0"	-	-	SEE NOTE 1	16"o/c	16"o/c	-	-	-	-	SEE NOTE 2	STEPPED BEAM		
B2-D	14x36	214.4 k	-	-	25"	14"	25"	-	-	-	-	22 3/4"	2-#6	2-#8	2-#8x13'-0"	2-#8x24'-0"	-	2-#6x 6'-0"	-	-	-	SEE NOTE 1	16"o/c	16"o/c	-	-	-	-	-	SEE NOTE 2			
B2-E	VARIES	0 k	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE NOTE 1	XX"o/c	XX"o/c	-	-	-	-	-	SEE NOTE 2	SEE DETAIL 6/S6.4		
G1-A	24x36	214.4 k	-	-	22"	6"	-	-	-	-	-	22"	2-#8	3-#9	1-#9x 9'-0"	-	-	1-#9x 9'-0"	-	-	-	SEE NOTE 1	XX"o/c	-	-	-	-	-	-	SEE NOTE 2			
G1-B	24x54	214.4 k	-	-	23 3/4"	4"	-	-	-	-	-	23 3/4"	3-#8	4-#9	1-#8x13'-0"	-	-	1-#8x13'-0"	-	-	-	N/A	XX"o/c	-	-	-	-	-	-	SEE NOTE 2	SEE DETAIL 1/S6.4		
G1-C	24x36	160.8 k	-	-	20 1/2"	6"	-	-	-	-	-	20 1/2"	2-#8	3-#9	1-#7x 8'-0"	-	-	1-#7x 8'-0"	-	-	-	N/A	XX"o/c	-	-	-	-	-	-	SEE NOTE 2	SEE DETAIL 16/S6.4		
G1-D	36x36	428.8 k	-	-	21 3/4"	4"	-	-	-	-	-	21 3/4"	3-#8	4-#9	3-#8x14'-0"	-	-	2-#8x14'-0"	2-#7x36'-0"	-	-	N/A	XX"o/c	-	-	-	-	-	-	SEE NOTE 2			
G1-E	24x36	160.8 k	-	-	20 1/2"	4"	-	-	-	-	-	20 1/2"	2-#8	3-#9	1-#7x10'-0"	-	-	1-#7x10'-0"	-	-	-	N/A	XX"o/c	-	-	-	-	-	-	SEE NOTE 2			
G1-F	24x36	482.4 k	-	-	20 1/2"	4"	-	-	-	-	-	20 1/2"	2-#8	3-#9	3-#9x10'-0"	-	-	2-#8x10'-0"	3-#9x26'-0"	-	-	N/A	8"o/c UNO	-	-	-	-	-	-	SEE NOTE 2	SEE DETAIL 12/S6.3		
G1-G	24x36	294.8 k	-	-	20 1/2"	4"	-	-	-	-	-	20 1/2"	2-#8	3-#9	1-#8x13'-0"	-	-	1-#8x13'-0"	1-#6x31'-0"	-	-	N/A	XX"o/c	-	-	-	-	-	-	SEE NOTE 2	SEE DETAIL 16/S6.4		
G1-H	36x36	428.8 k	-	-	21 3/4"	7"	-	-	-	-	-	21 3/4"	3-#8	4-#9	2-#8x14'-0"	-	-	2-#8x14'-0"	2-#7x36'-0"	-	-												
G2-A	24x36	187.6 k	-	-	20 1/2"	6"	11"	-	-	-	-	20 1/2"	2-#8	3-#9	1-#8x11'-0"	1-#8x19'-0"	-	1-#8x 8'-0"	-	-	-	N/A	XX"o/c	XX"o/c	-	-	-	-	-	SEE NOTE 2			
G2-B	24x36	402.0 k	-	-	20 1/2"	4"	19"	-	-	-	-	20 1/2"	2-#8	3-#9	1-#9x11'-0"	2-#9x19'-0"	-	1-#8x 8'-0"	2-#9x27'-0"	-	-	N/A	XX"o/c	XX"o/c	-	-	-	-	-	SEE NOTE 2			
G2-C	24x36	160.8 k	-	-	20 1/2"	22 1/2"	7"	-	-	-	-	20 1/2"	2-#8	3-#9	1-#8x 8'-0"	1-#8x15'-0"	-	1-#8x 8'-0"	-	-	-	N/A	XX"o/c	XX"o/c	-	-	-	-	-	SEE NOTE 2			

- NOTES:
- "a" INDICATES 10-#4 STIRRUPS @ 1/2 THE SPACING OF "b" AS INDICATED IN SCHEDULE.
 - CAMBER IS DEFINED AS UPWARD MIDSPAN DISPLACEMENT ADDED TO THE ELEVATION SET BY THE ARCHITECTURAL DRAWINGS. NOTE THAT WHERE DRAINAGE REQUIREMENTS DICTATE, THE RESULTING NET DISPLACEMENT IN THE BEAM MAY BE DOWNWARD.
- BEAMS SHALL BE CAMBERED AS FOLLOWS:
- | SPAN | CAMBER |
|---------------------|--------|
| 50'-0" AND GREATER | 3/4" |
| >40'-0" BUT <50'-0" | 1/2" |
| 40'-0" AND LESS | NONE |
- ELEV. SET BY ARCHITECT
- AT GIRDER AND BEAM INTERSECTIONS THE BEAM'S BOTTOM REINF. SHALL BE LOCALLY OFFSET TO PASS GIRDER REINF. AND THE GIRDER TOP REINF. WILL BE PLACED LOWER THAN THE BEAM TOP REINF. SEE DETAILS S6.2 10 & 15
- AT BEAM EDGE CONDITION, HOOK REBAR SHAPE SHALL BE:
- STD. HOOK
- LENGTH
- MINIMUM BEAM LONGITUDINAL REINF. LAP SPICES (BASED ON CLASS B LAP BAR SPACING GREATER THAN THREE BAR DIA. & f'c=5 ksi MIN.) SHALL BE AS FOLLOWS:

BAR SIZE	HARDROCK		LT.WT.CONC.	
	TOP	BOT.	TOP	BOT.
#4	29"	23"	32"	24"
#5	36"	28"	41"	31"
#6	44"	34"	52"	40"
#7	63"	49"	71"	54"
#8	72"	56"	93"	71"
#9	81"	63"	117"	90"
#10	92"	71"	149"	114"
#11	102"	78"	183"	141"

- FOR ADDED REINF. AT BEAMS & GIRDERS SEE DETAILS S6.2 6,7,8 & 9
- FOR BEAM TO COLUMN CONNECTION SEE DETAILS S6.2 16 & 18
- FOR PENETRATIONS IN BEAM SEE DETAILS S6.3 1,4 & 6
- FOR BEAM CONSTRUCTION JOINTS SEE DETAILS S6.3 3 & 8
- FOR BEAMS AT SLOPING DECKS SEE DETAIL S6.2 5



**PRELIMINARY
FOR REVIEW PURPOSES ONLY**

CONCRETE BEAM & GIRDER SCHEDULE AND ELEVATIONS

**MOUNTAIN VIEW
PARKING STRUCTURE**
MOUNTAIN VIEW, CALIFORNIA

REVISIONS		
NO.	DATE	BY

02-24-05
80% WORKING DOCUMENTS

JOB NO : 02044
DATE : 02-24-05
DESIGN : J.A.McINERNEY
DRAWN : TY
CHECKED BY : BLIGH
FILE NAME : 0244S61

SHEET

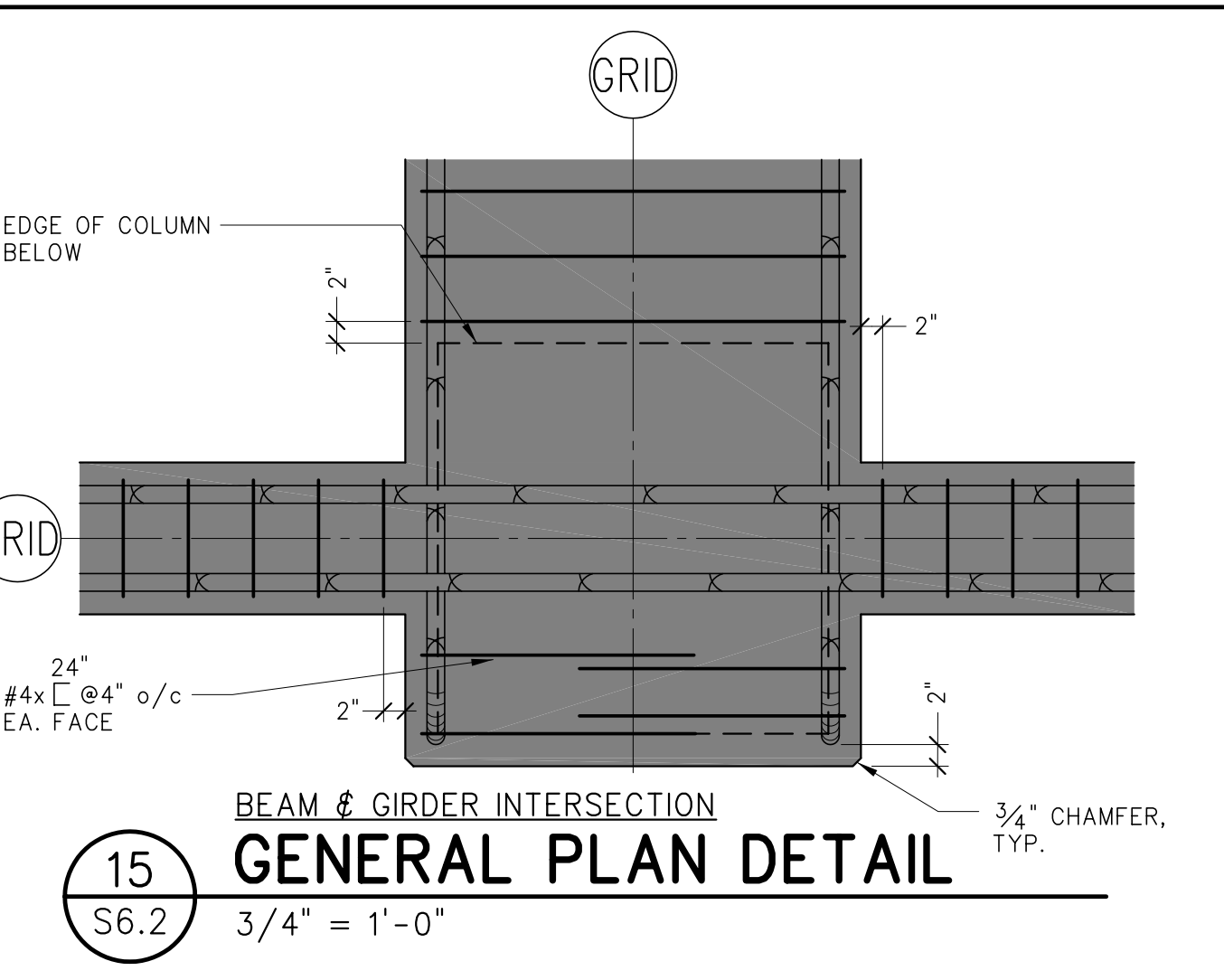
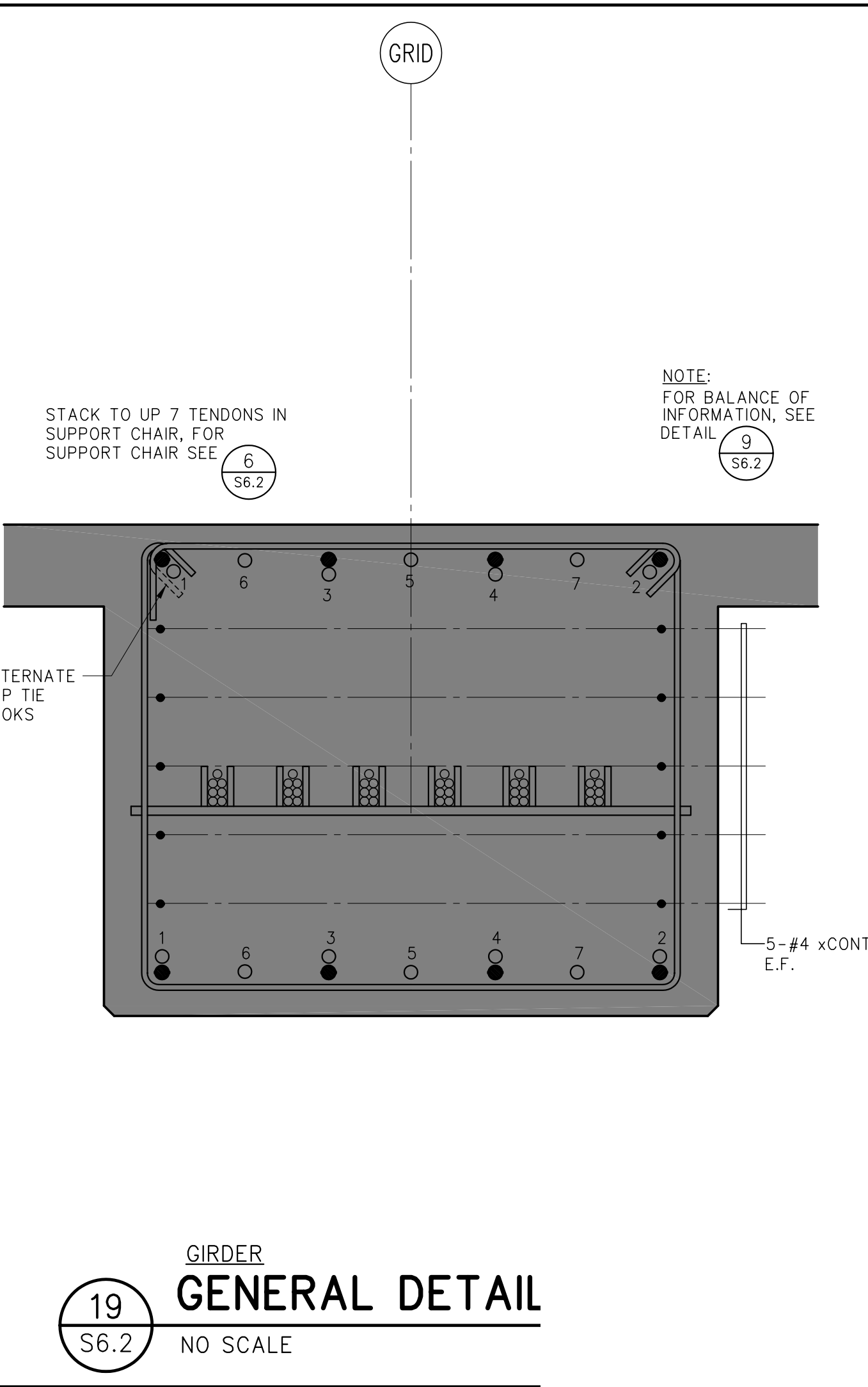
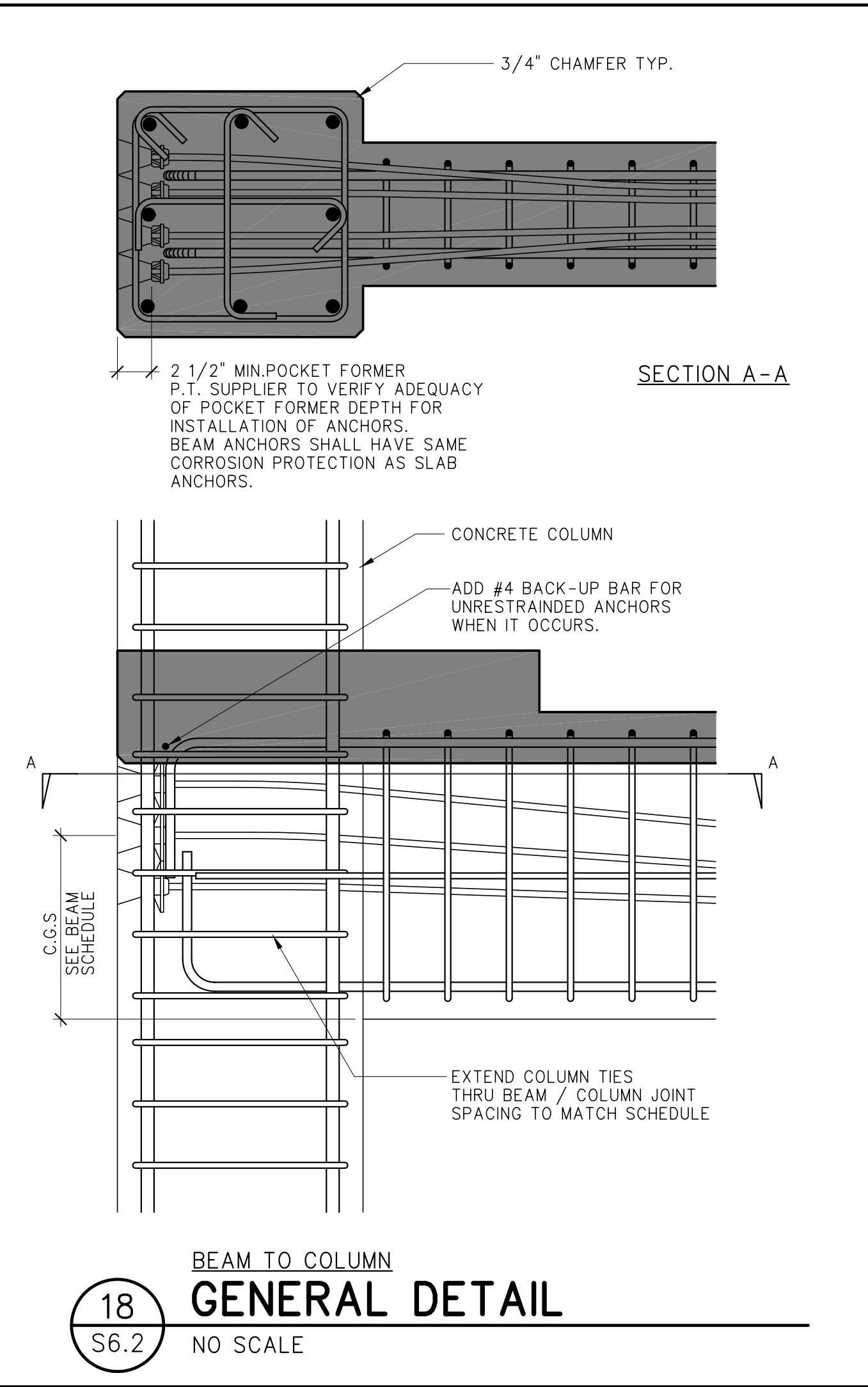
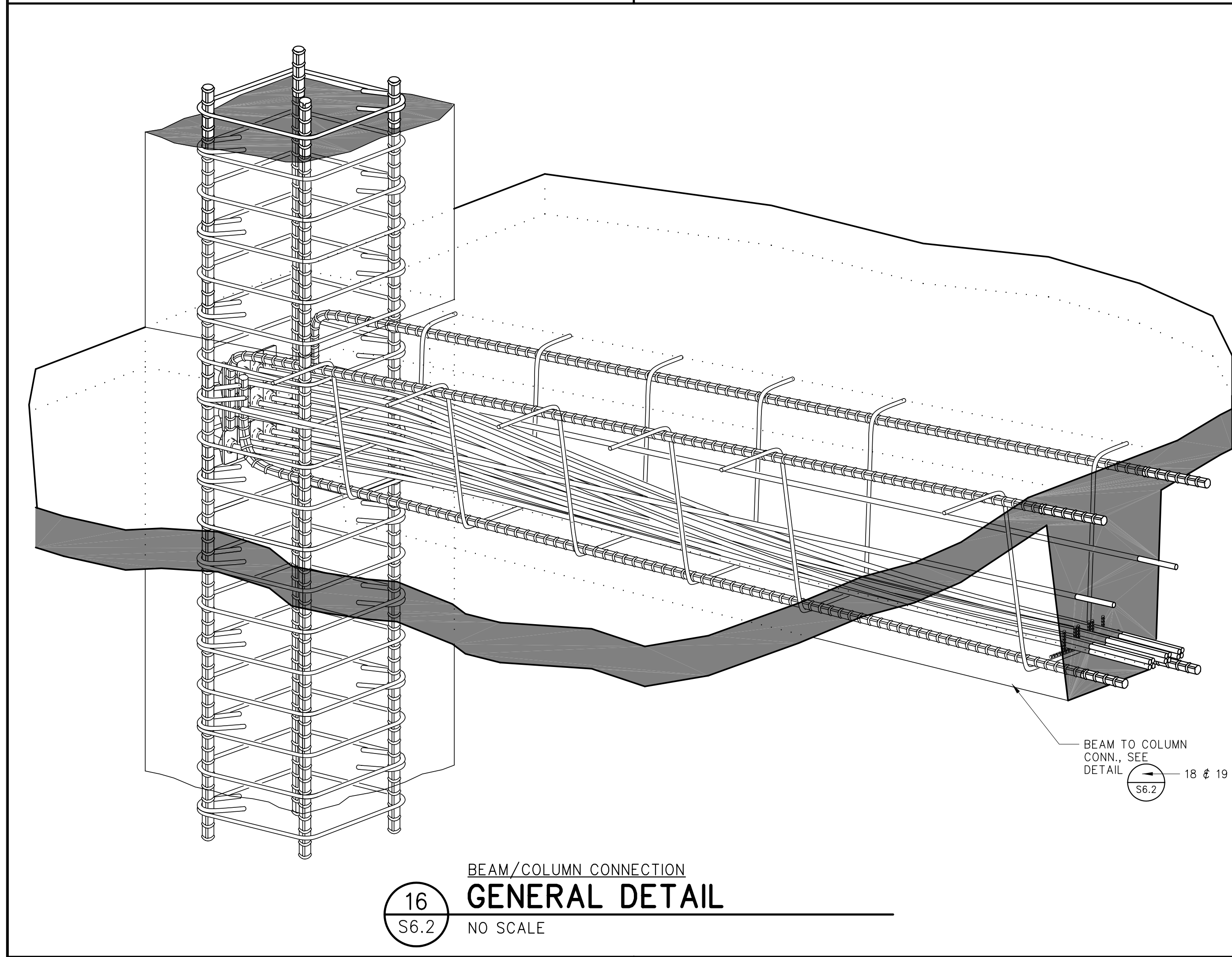
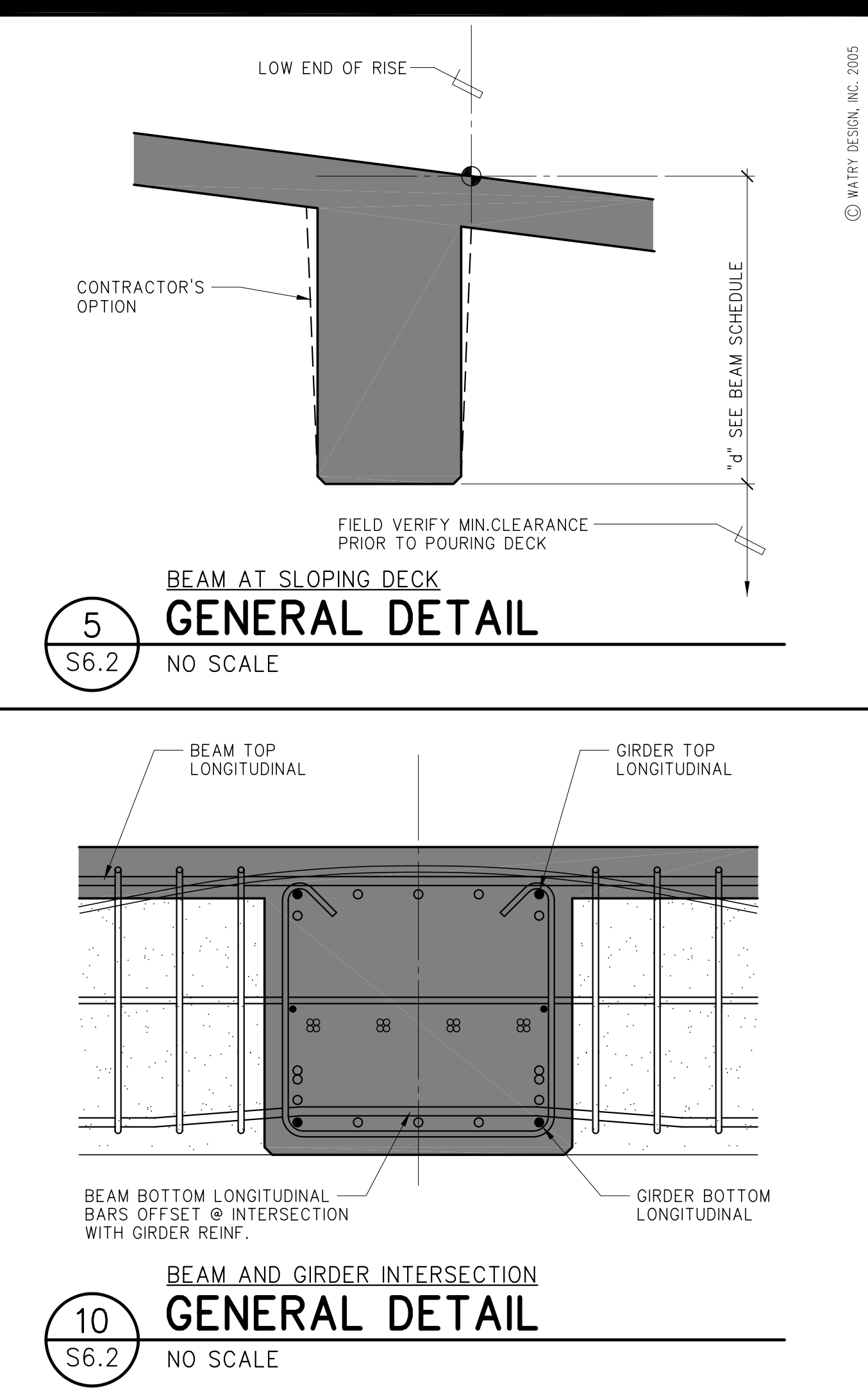
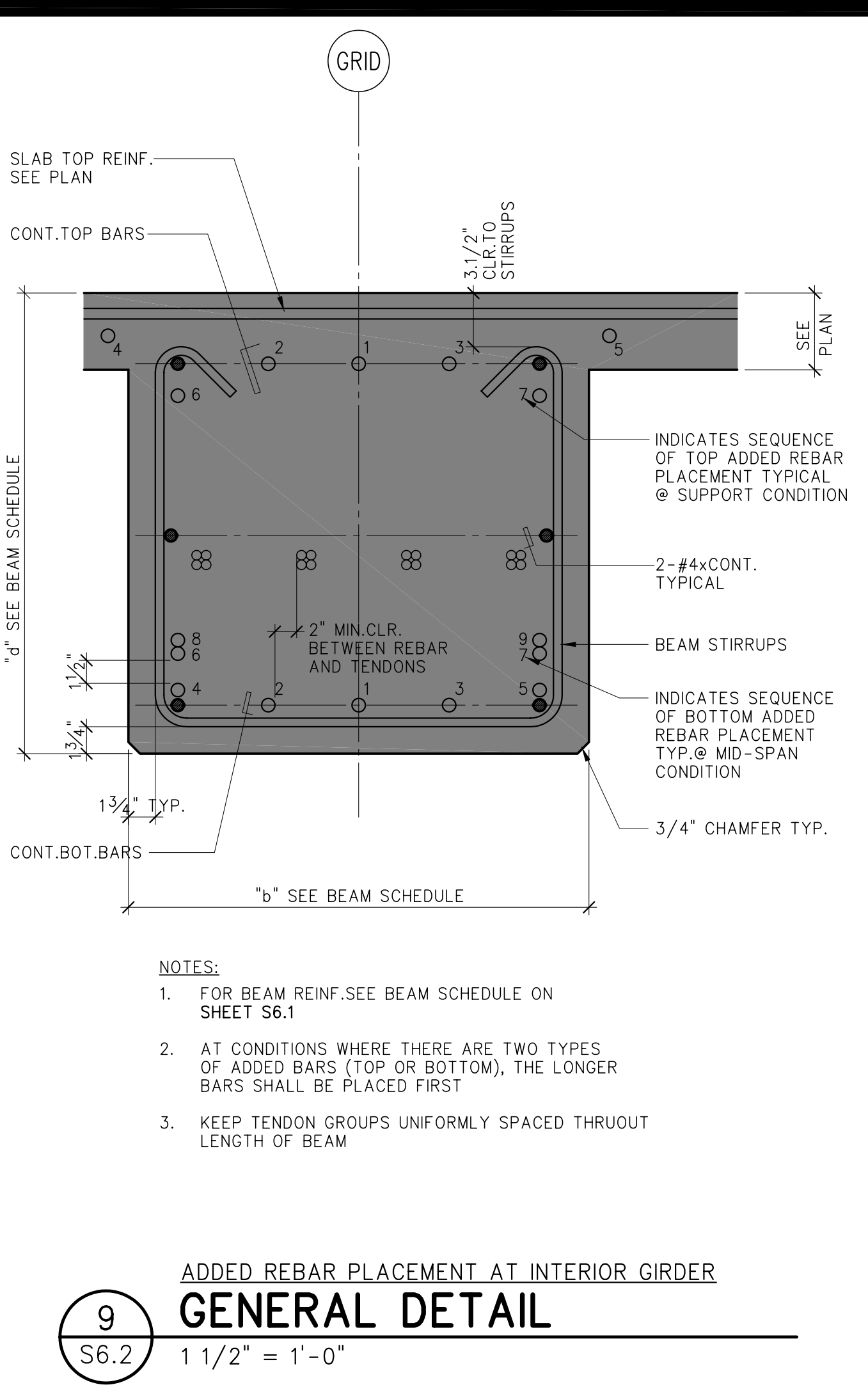
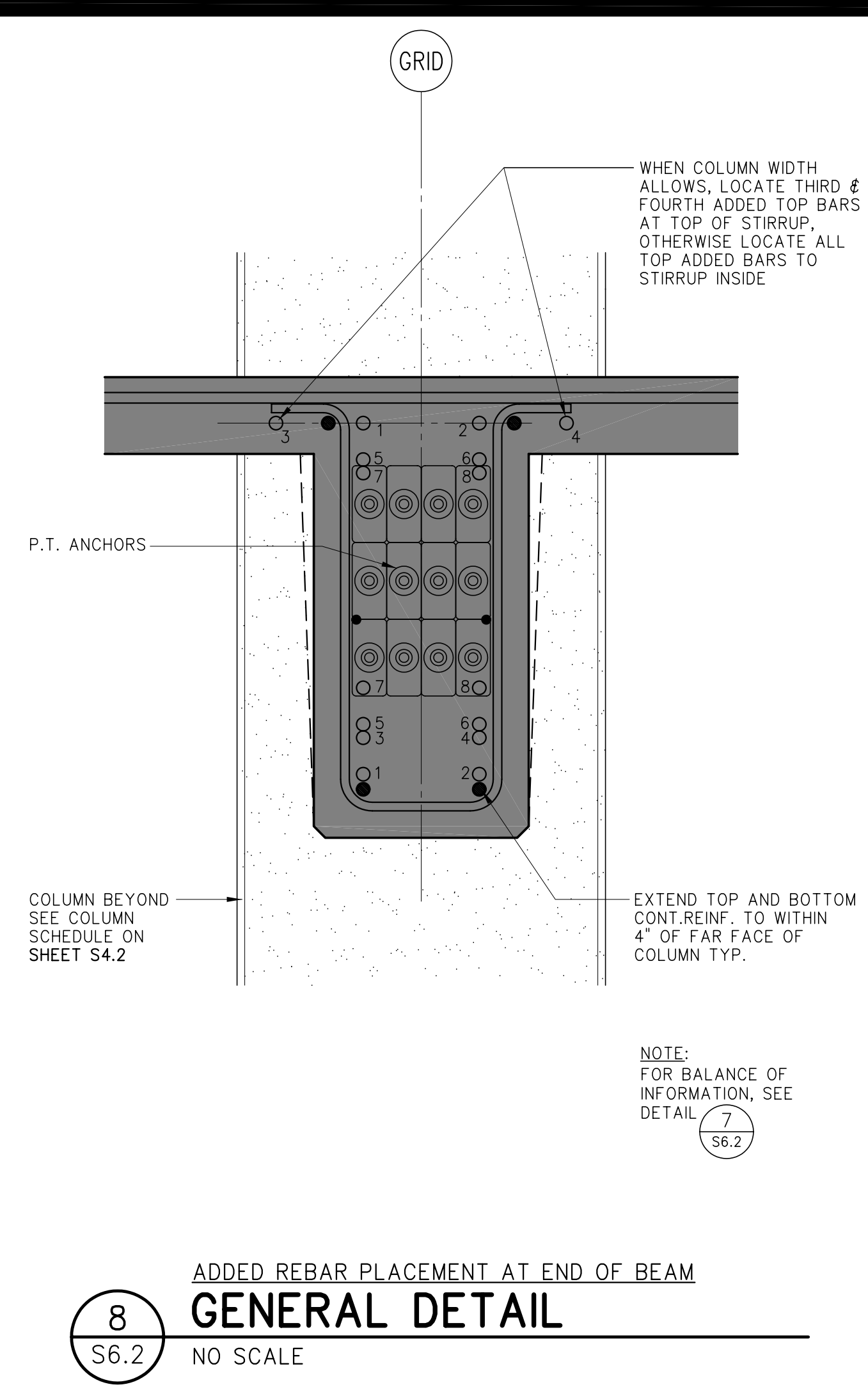
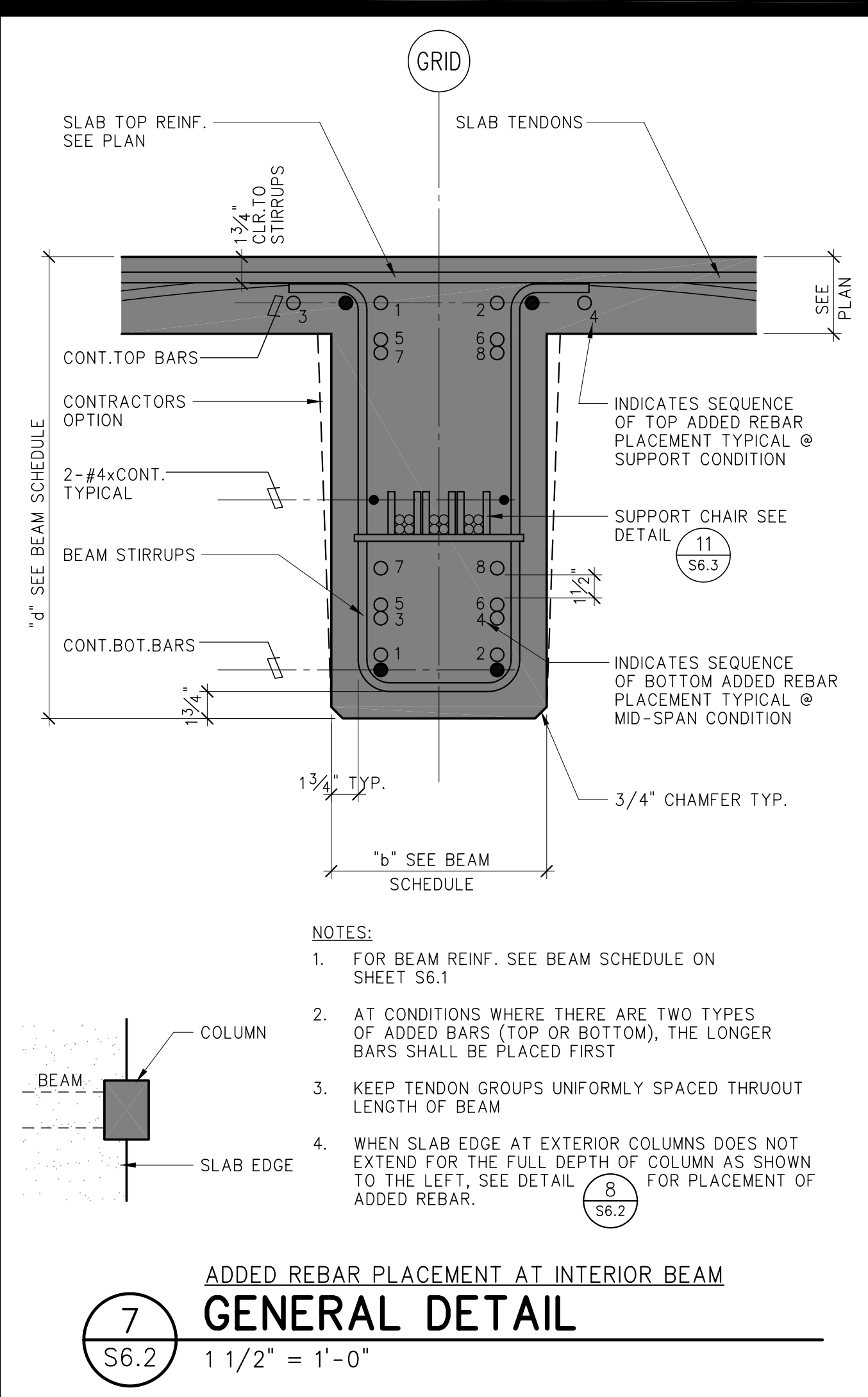
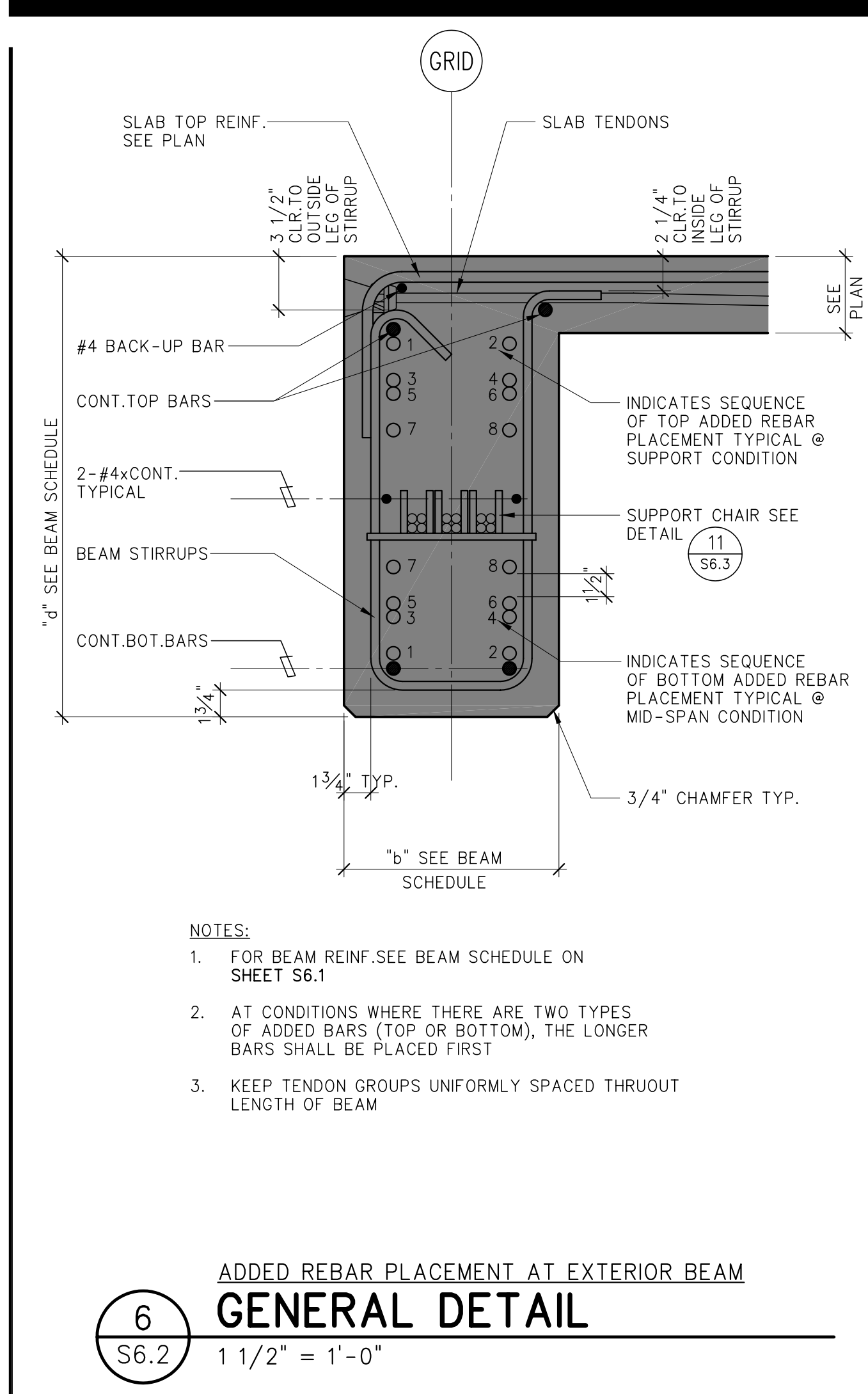
S6.1

Architects • Engineers • Parking Planners

WATRY DESIGN, INC.

1700 Seaport Blvd, Suite 210
Redwood City, California 94063
Tel: 650.298.8150
Fax: 650.298.8151
E-mail: wdi@watrydesign.com
www.watrydesign.com

PLOTTED 02-24-05 09:25 hyong g:\caddres\2002\02044\0244s62.dwg



PRELIMINARY
FOR REVIEW PURPOSES ONLY

Architects • Engineers • Parking Planners

WATRY DESIGN, INC.
 1700 Seaport Blvd, Suite 210
 Redwood City, California 94063
 Tel: 650.298.8150
 Fax: 650.298.8151
 E-mail: wdi@watrydesign.com
 www.watrydesign.com

CONCRETE BEAM: GENERAL DETAILS
 MOUNTAIN VIEW
 PARKING STRUCTURE
 MOUNTAIN VIEW, CALIFORNIA

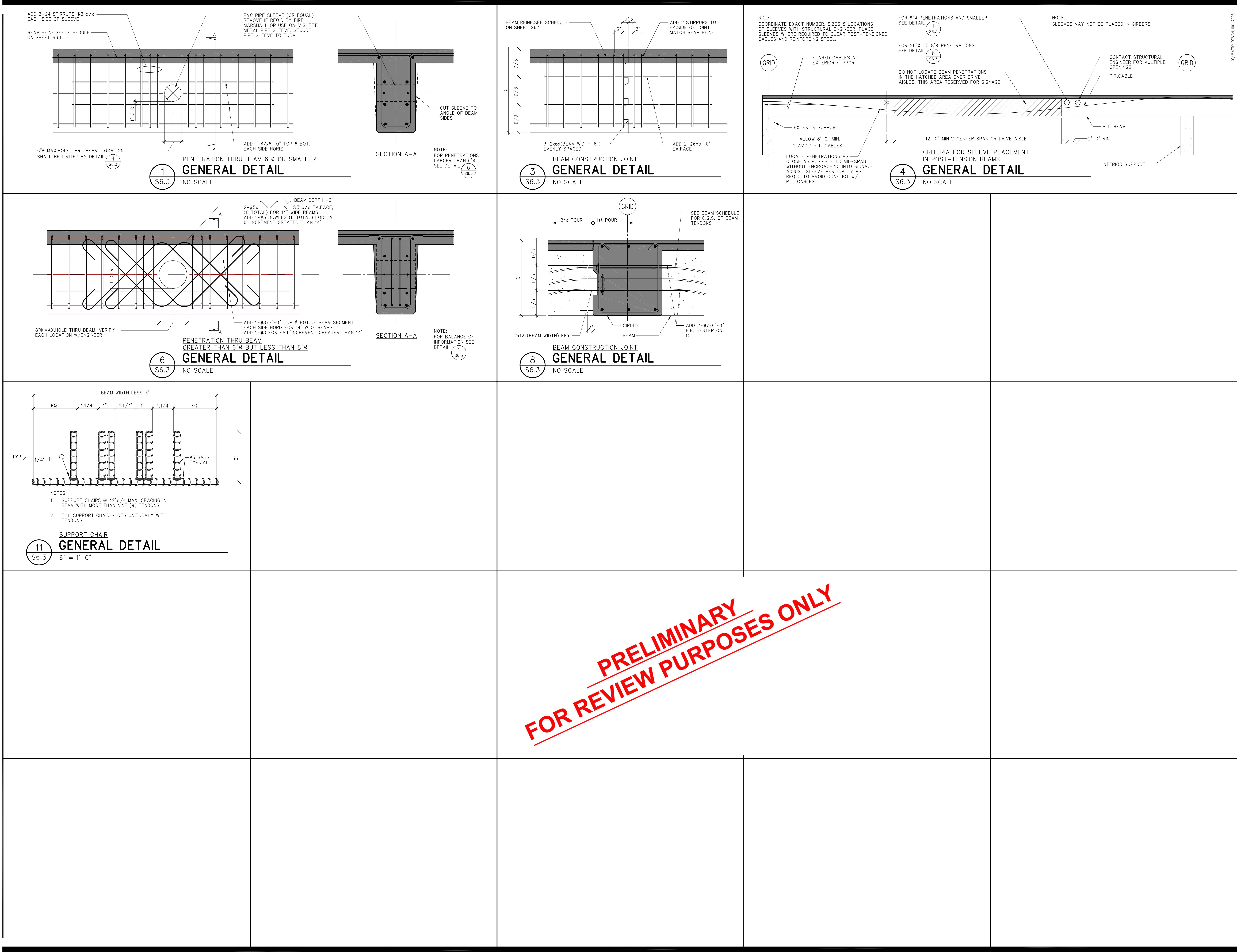
REVISIONS		
NO.	DATE	BY

02-24-05
 80% WORKING DOCUMENTS

JOB NO : 02044
 DATE : 02-24-05
 DESIGN : J.A.McINERNEY
 DRAWN : TY
 CHECKED BY : BLIGH
 FILE NAME : 0244S62

SHEET
 S6.2

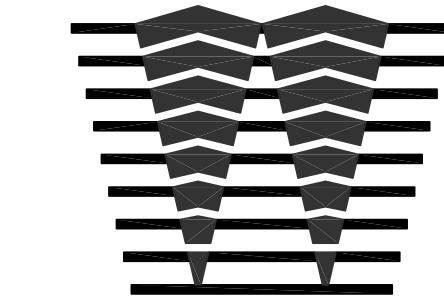
PLOTTED 02-24-05 09:26 hyong g:\caddres\2002\02044\0244463.dwg



CONCRETE BEAM: GENERAL DETAILS

**MOUNTAIN VIEW
PARKING STRUCTURE**
MOUNTAIN VIEW, CALIFORNIA

REVISIONS		
NO.	DATE	BY



WATRY DESIGN, INC.

1700 Seaport Blvd, Suite 210
Redwood City, California 94063
Tel: 650.298.8150
Fax: 650.298.8151
E-mail: wdi@watrydesign.com
www.watrydesign.com

CONCRETE BEAM: SPECIFIC DETAILS

**MOUNTAIN VIEW
PARKING STRUCTURE**
MOUNTAIN VIEW, CALIFORNIA

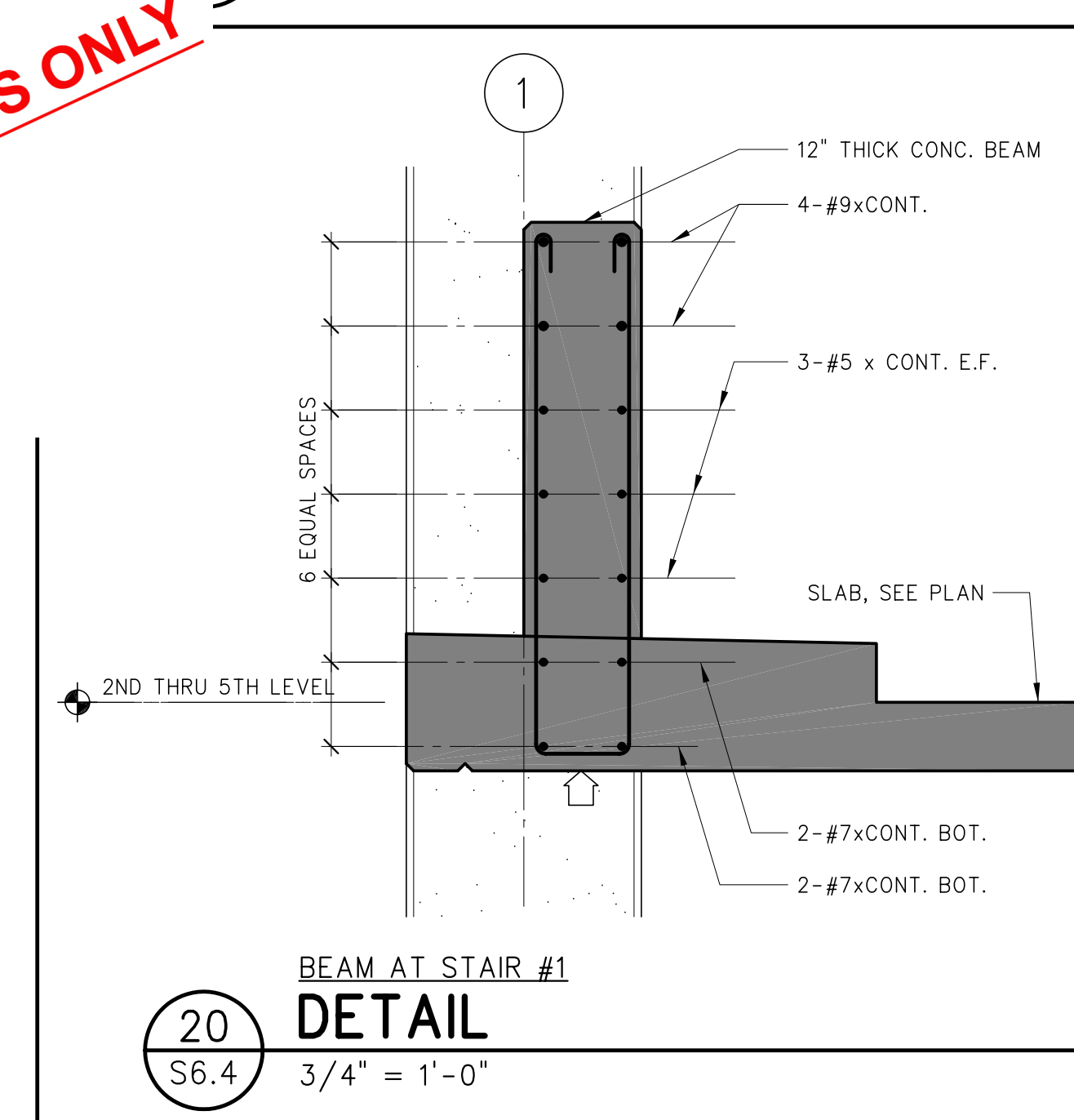
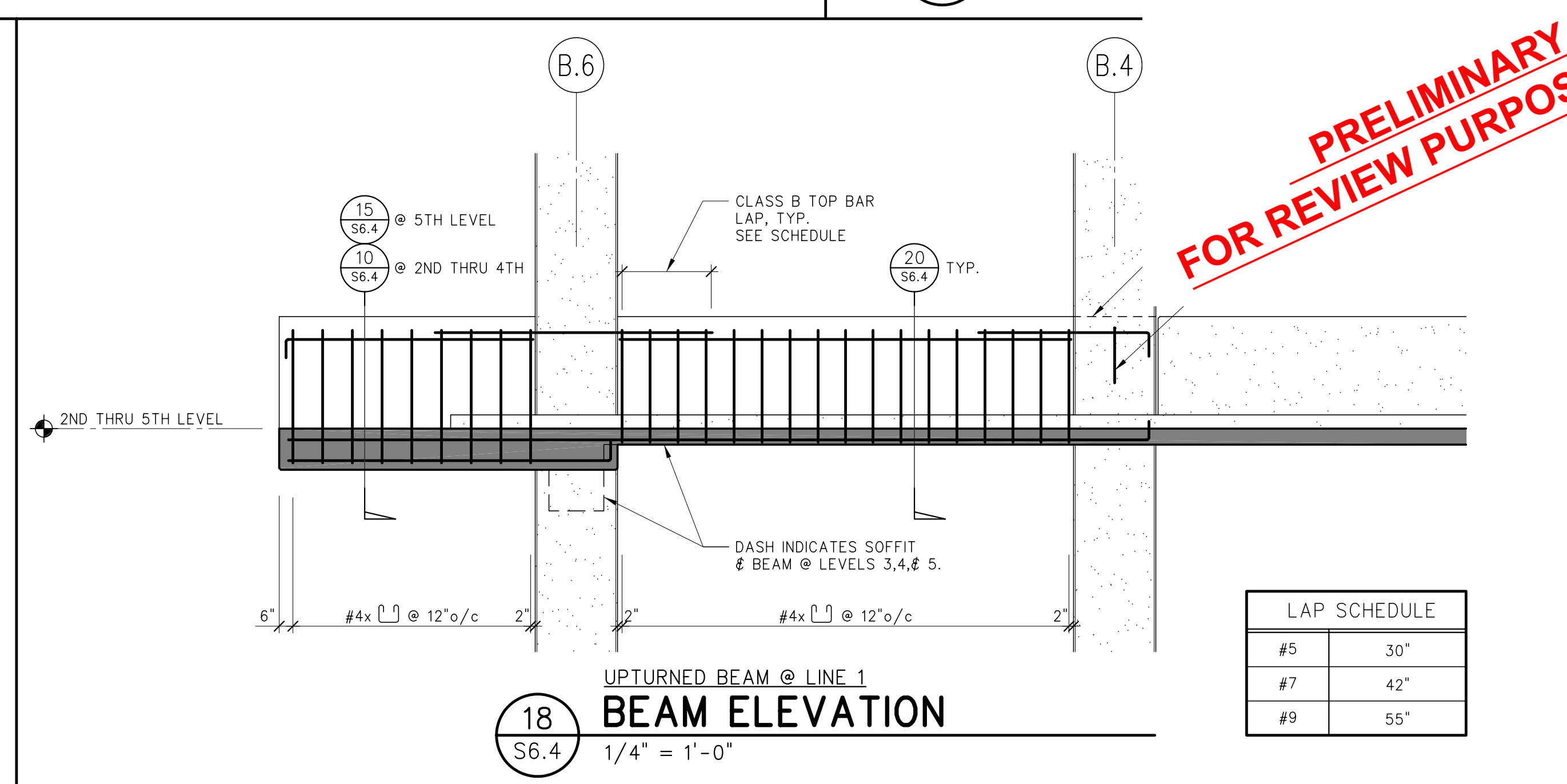
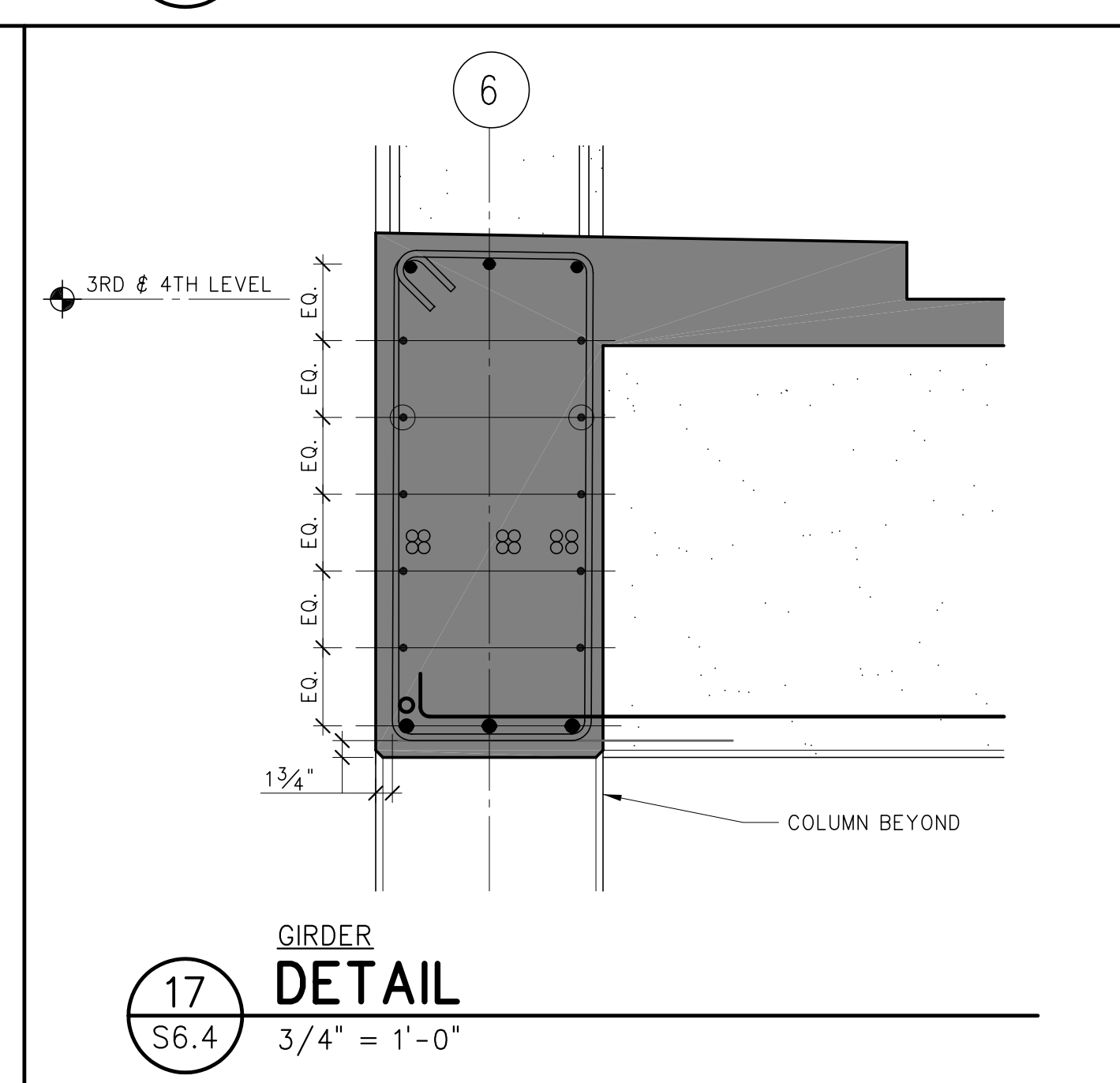
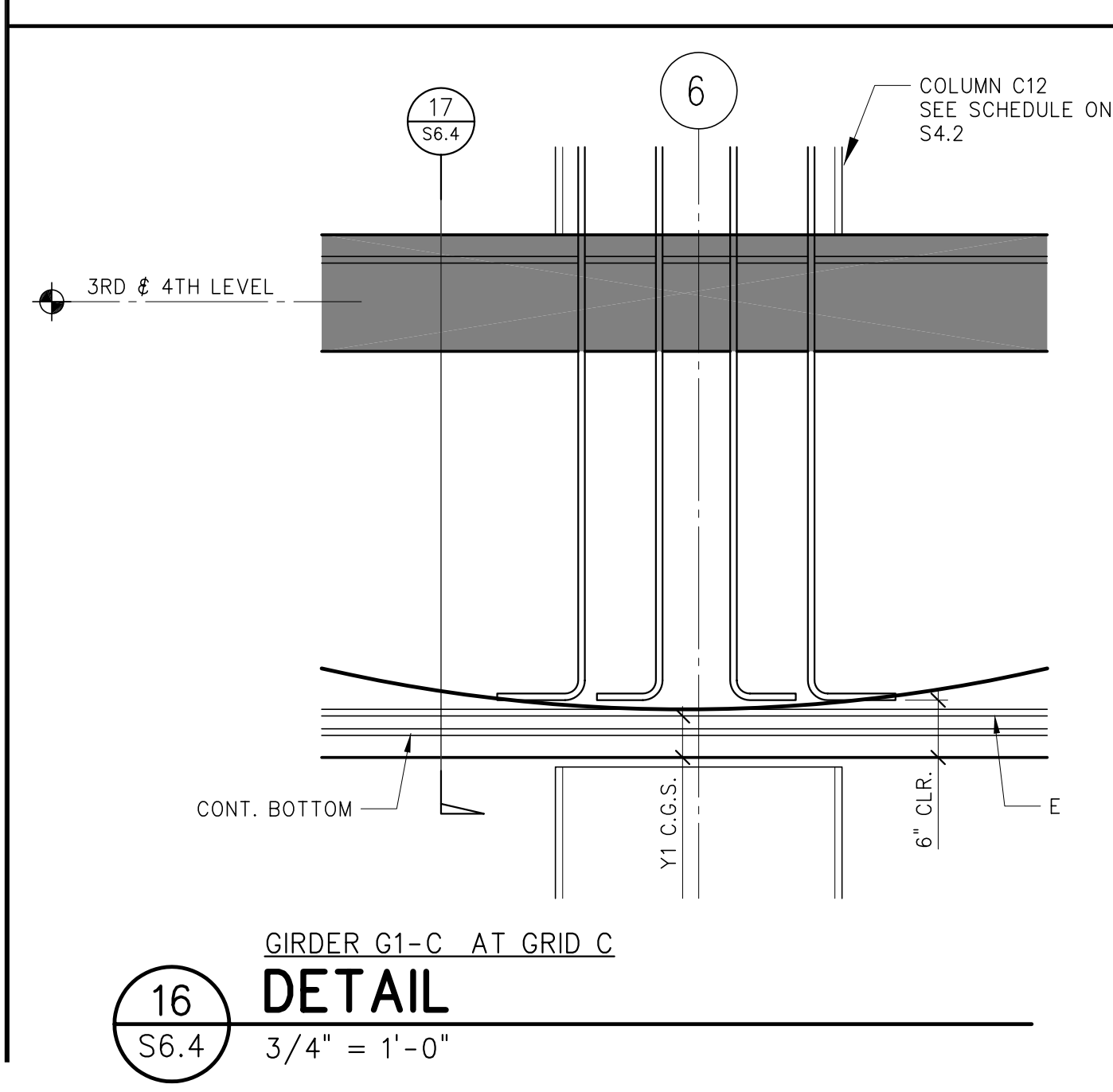
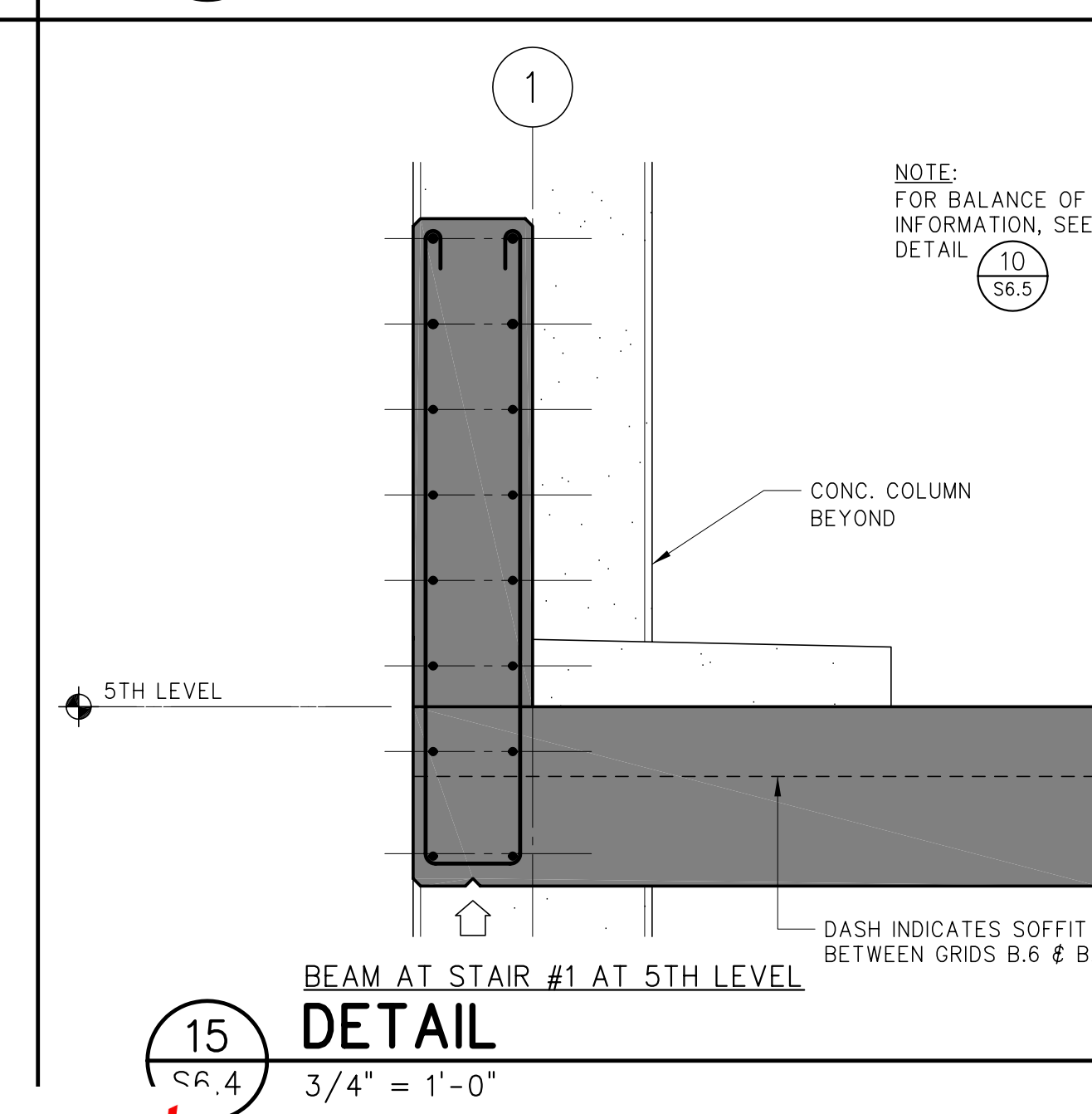
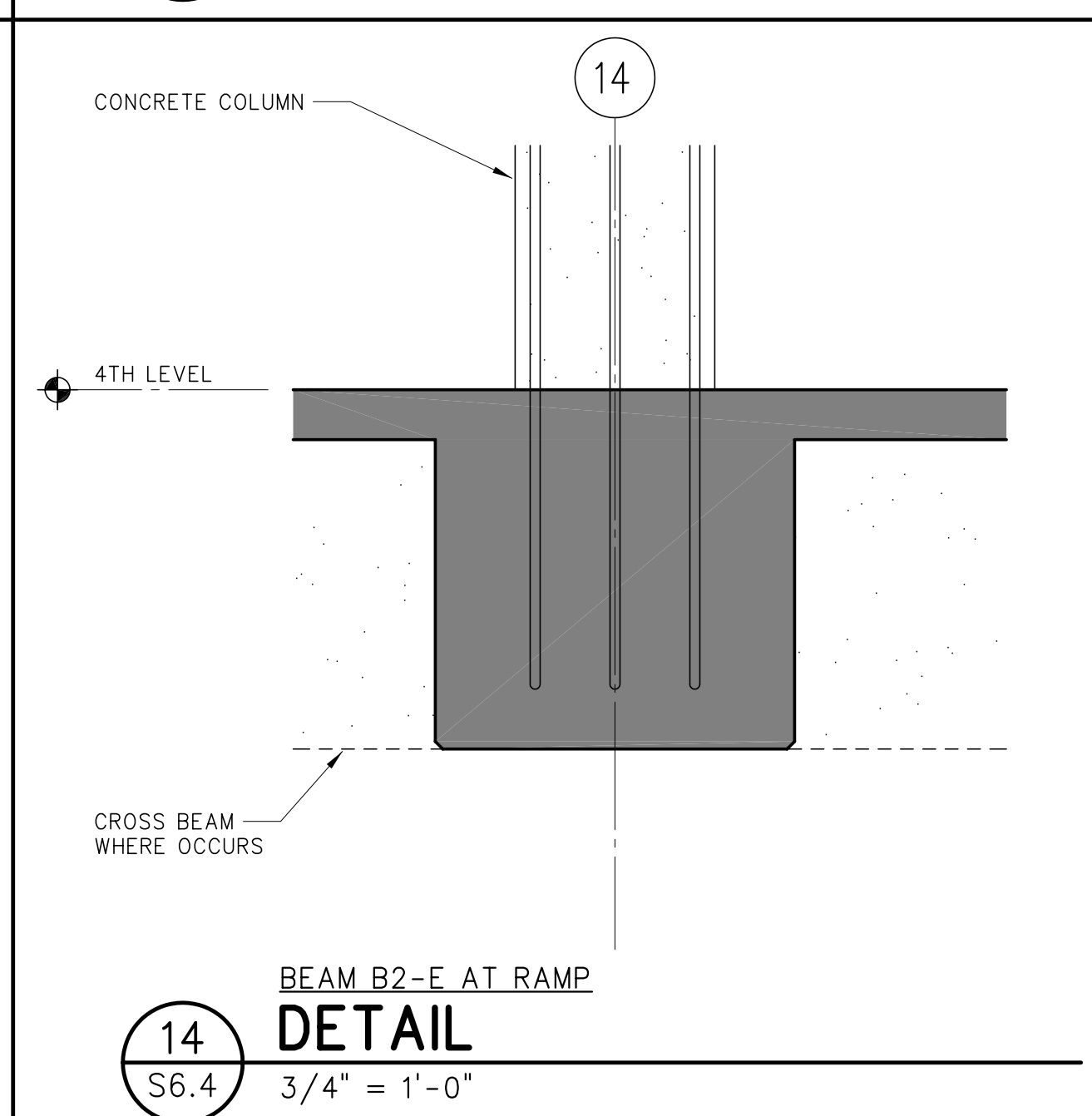
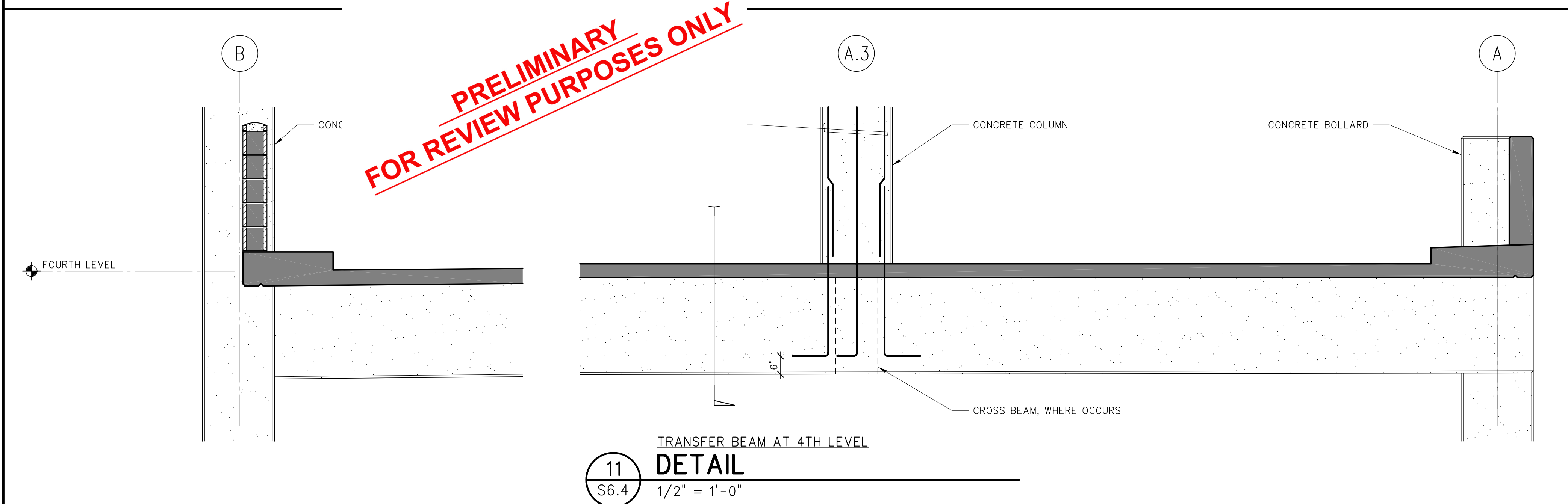
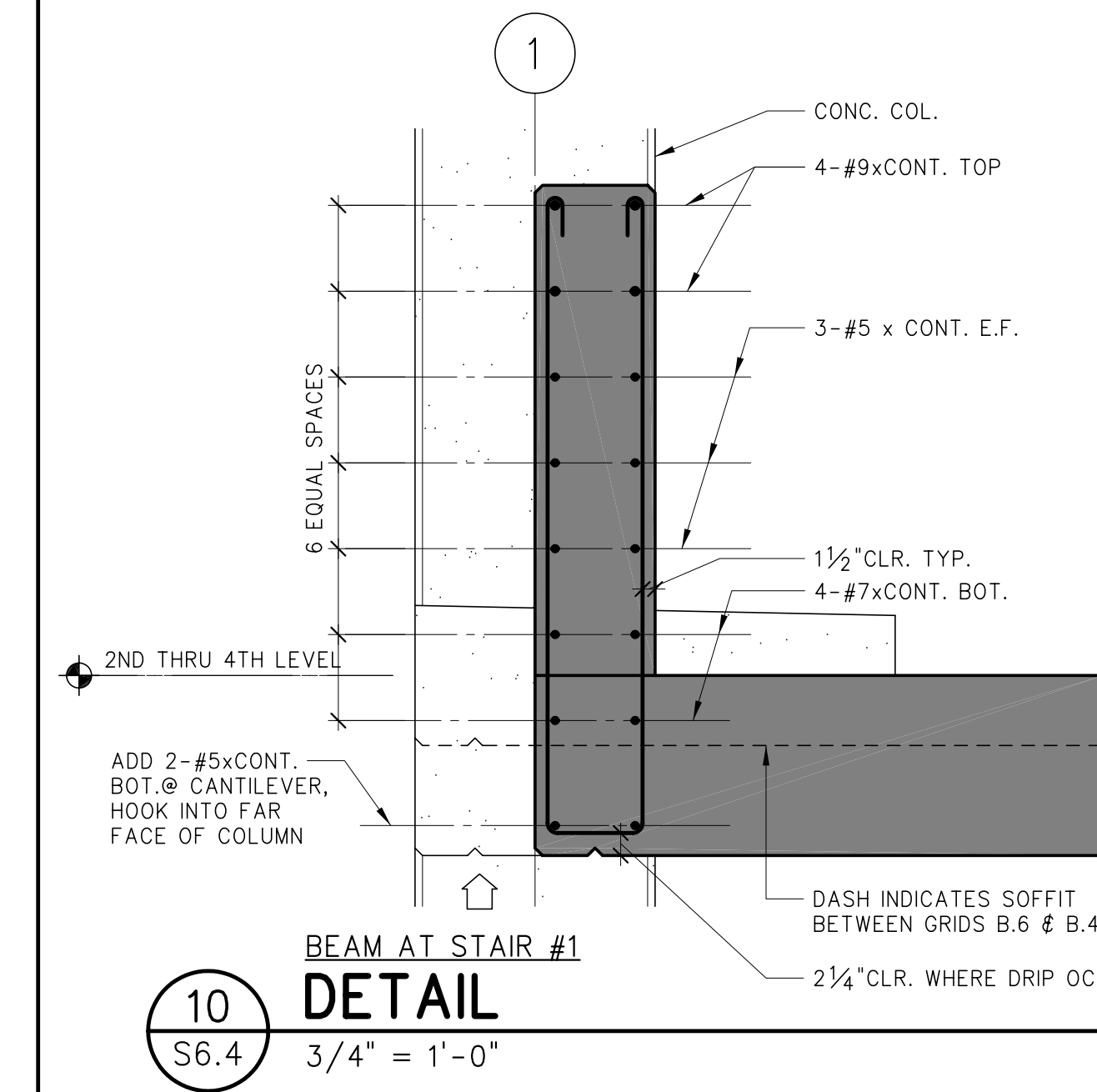
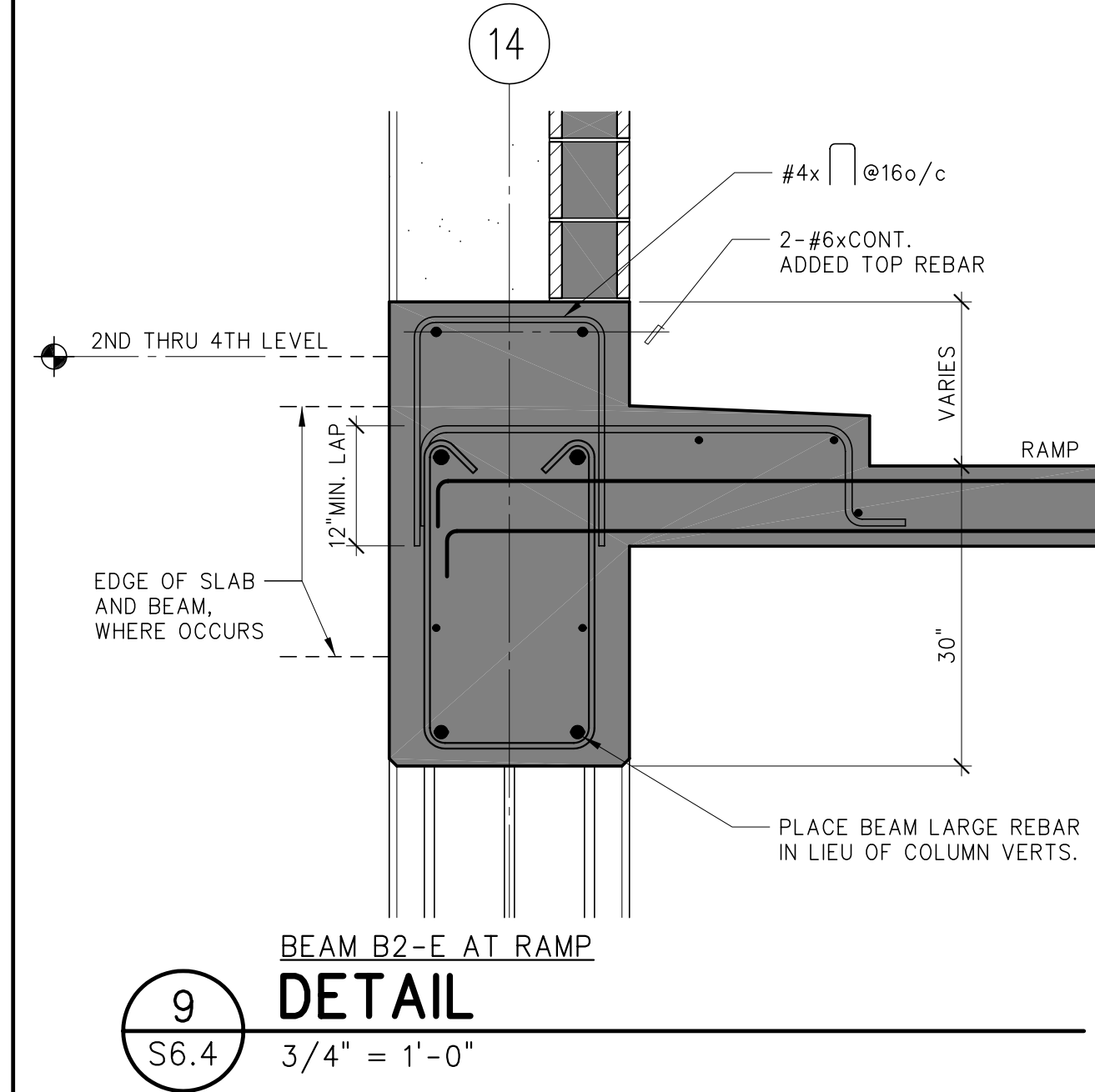
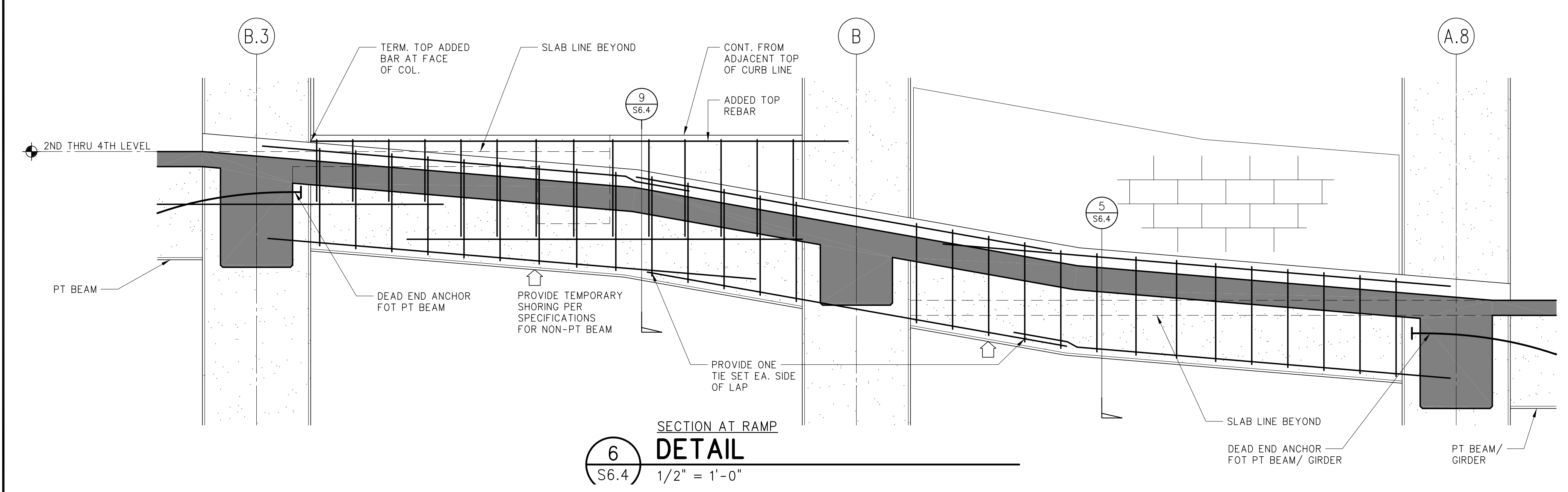
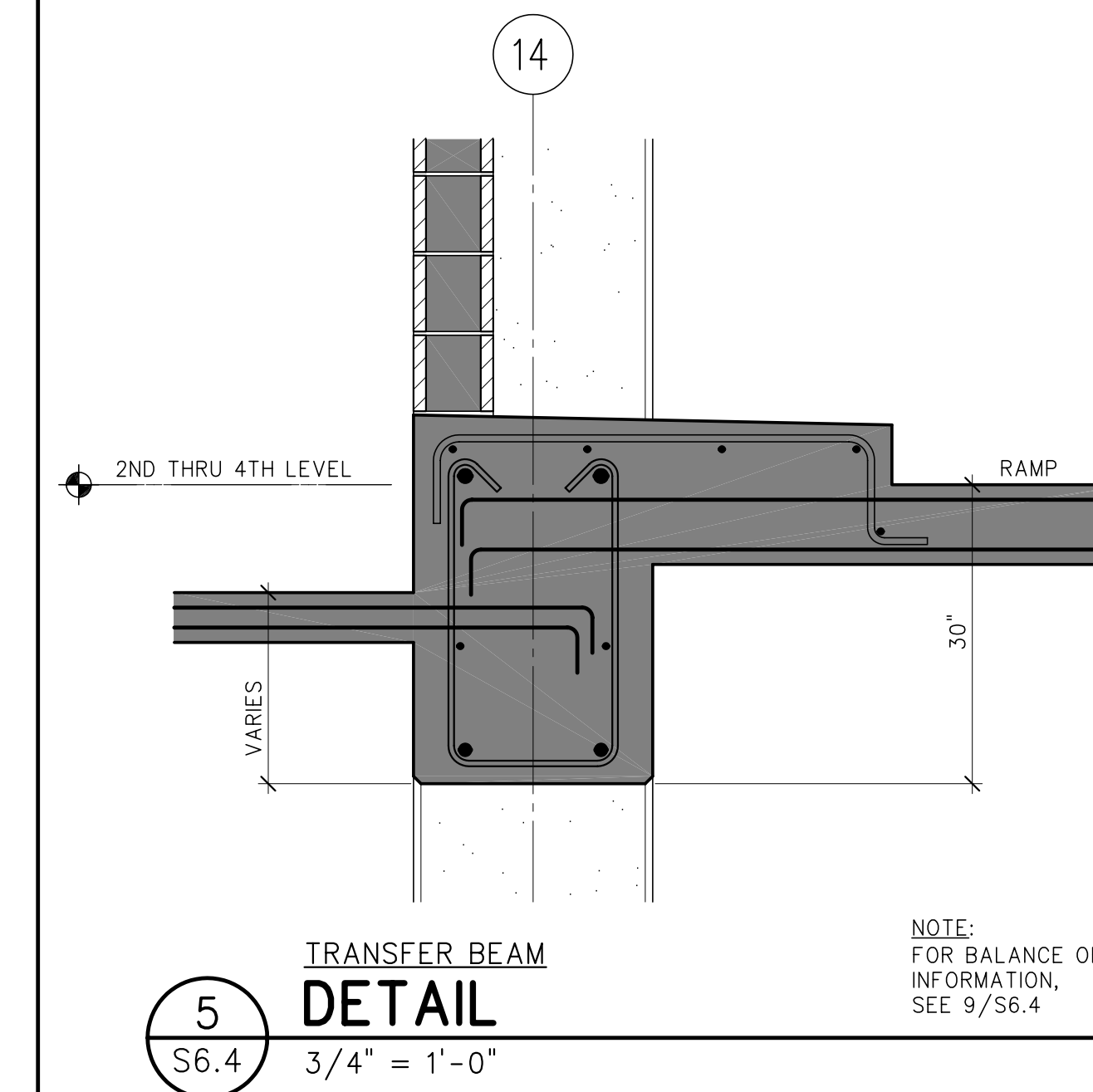
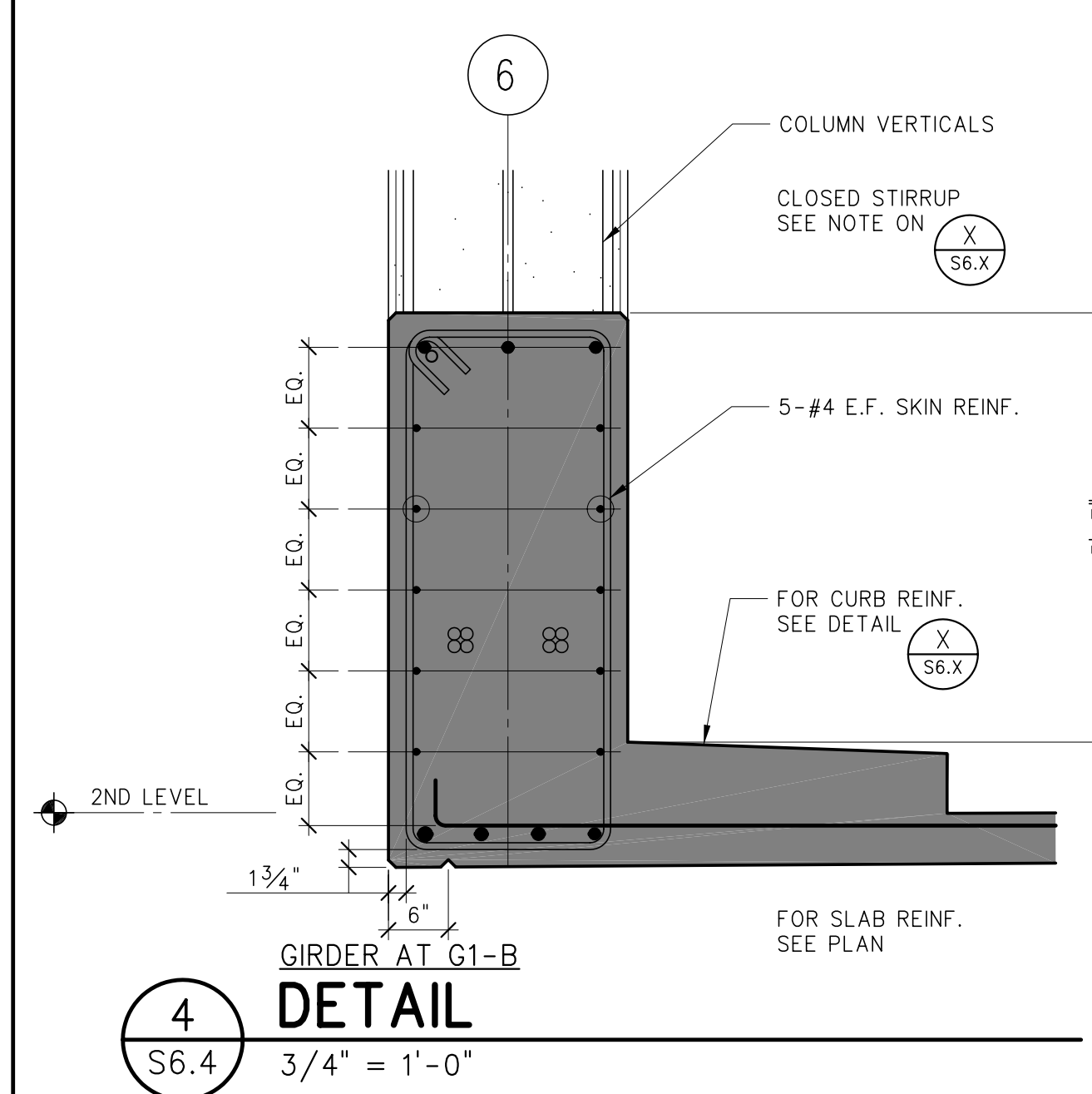
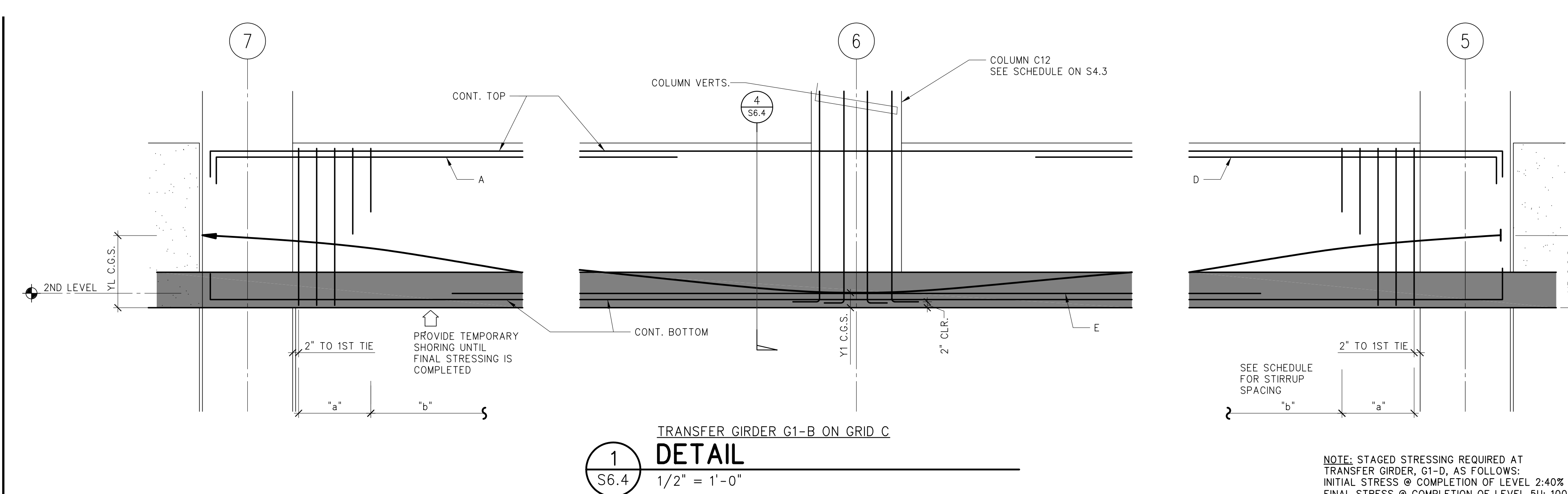
REVISIONS		
NO.	DATE	BY

02-24-05
80% WORKING DOCUMENTS

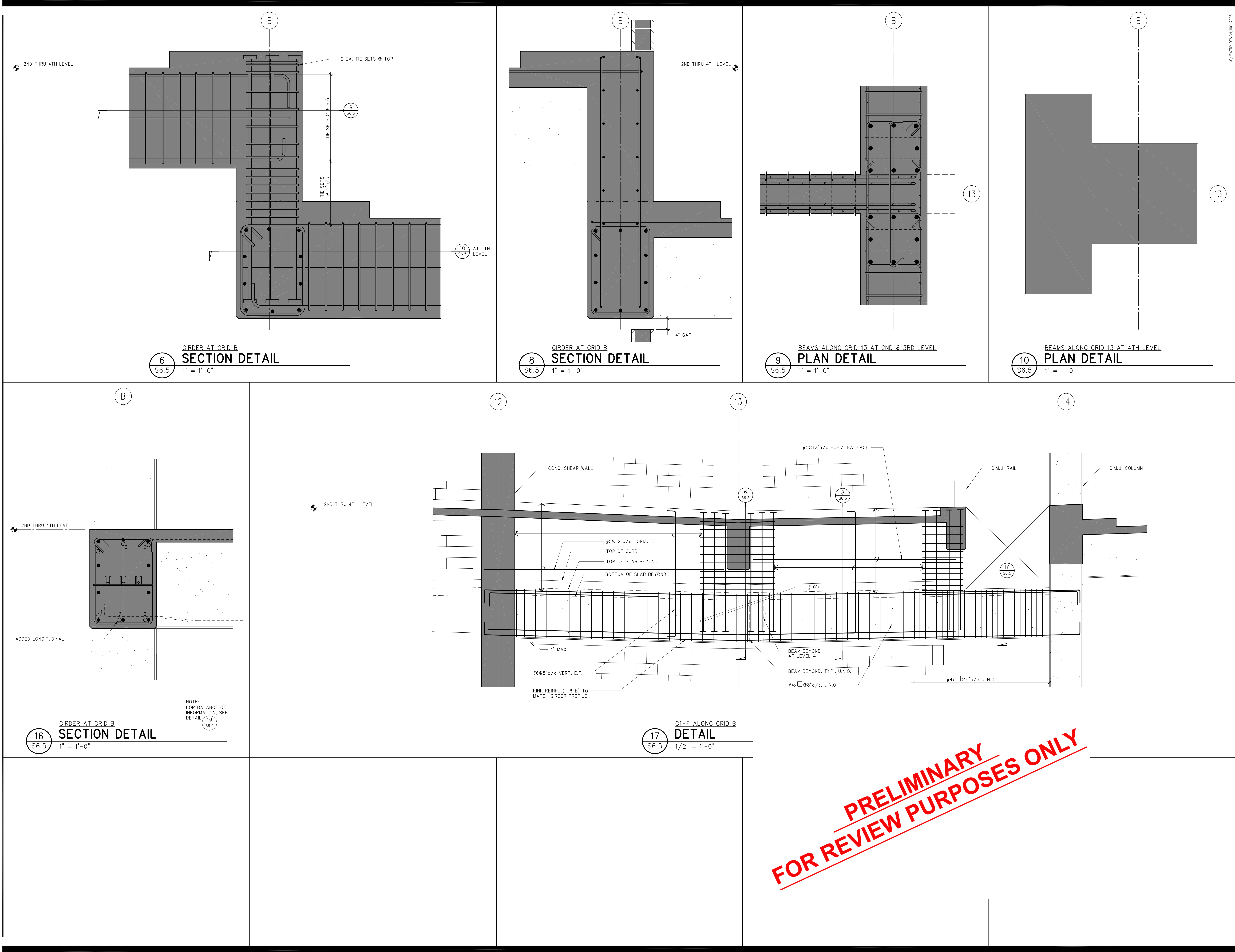
JOB NO : 02044
DATE : 02-24-05
DESIGN : J.A.McINERNEY
DRAWN : HYONG GI
CHECKED BY : BLIGH
FILE NAME : 0244S64

SHEET

S6.4



PLOTTED 02-24-05 12:06 edison g:\cadd\02\0244\0244s65.dwg

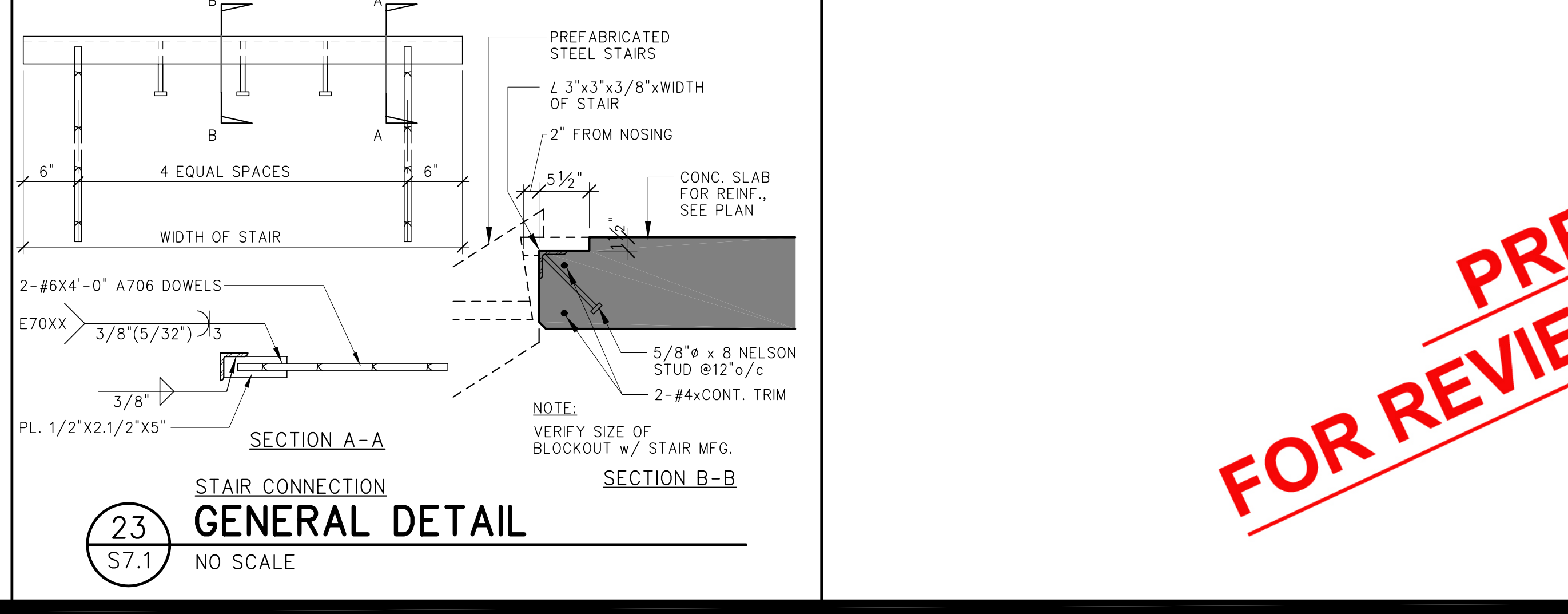
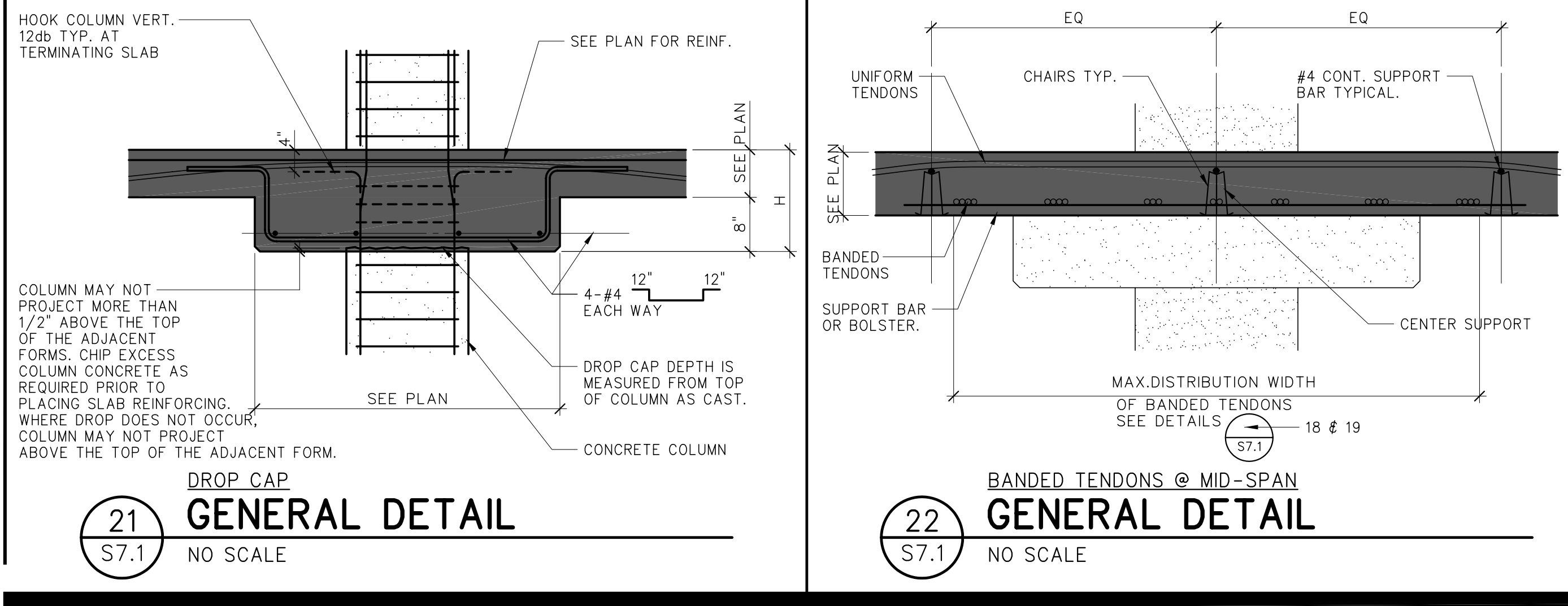
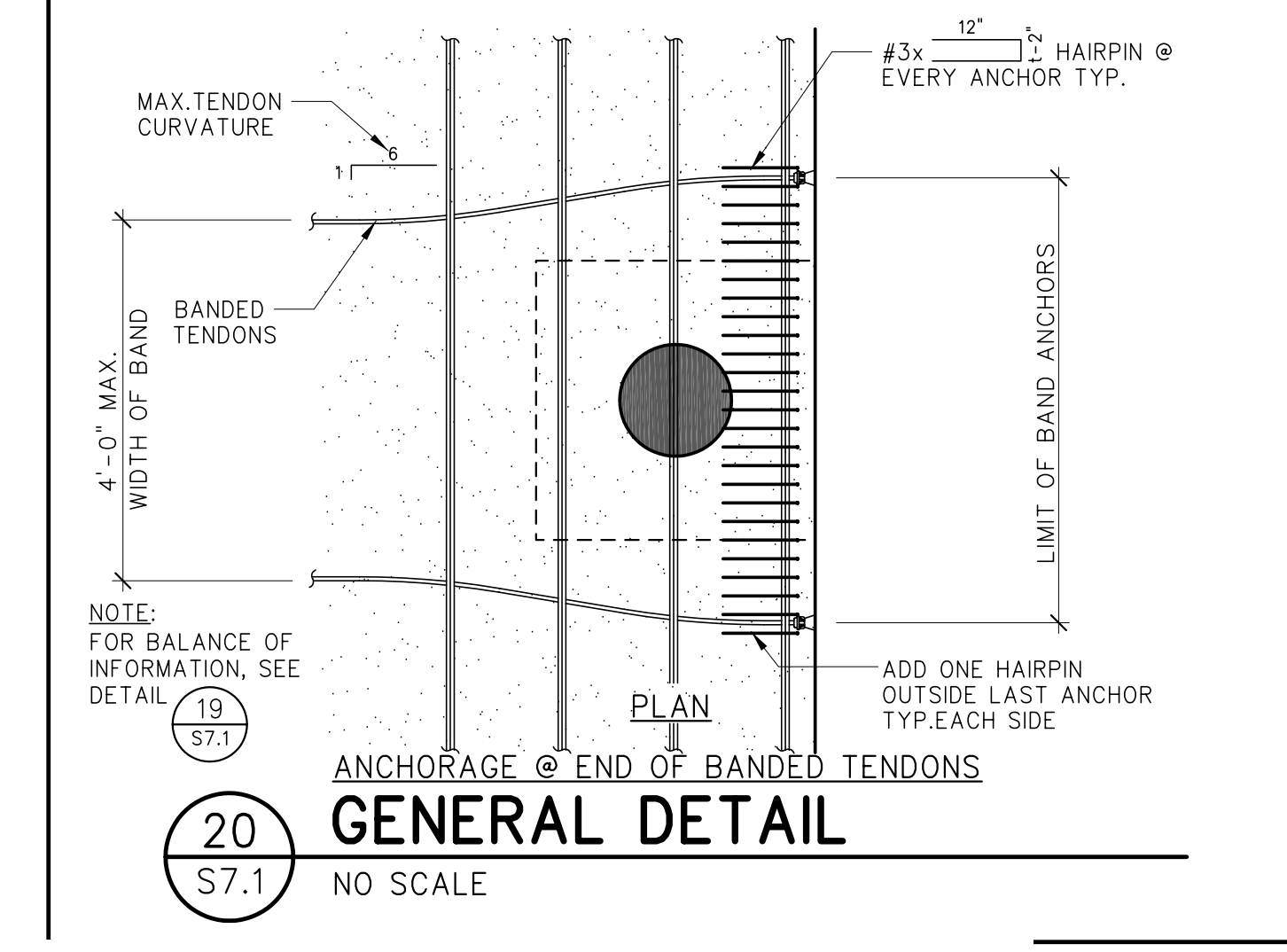
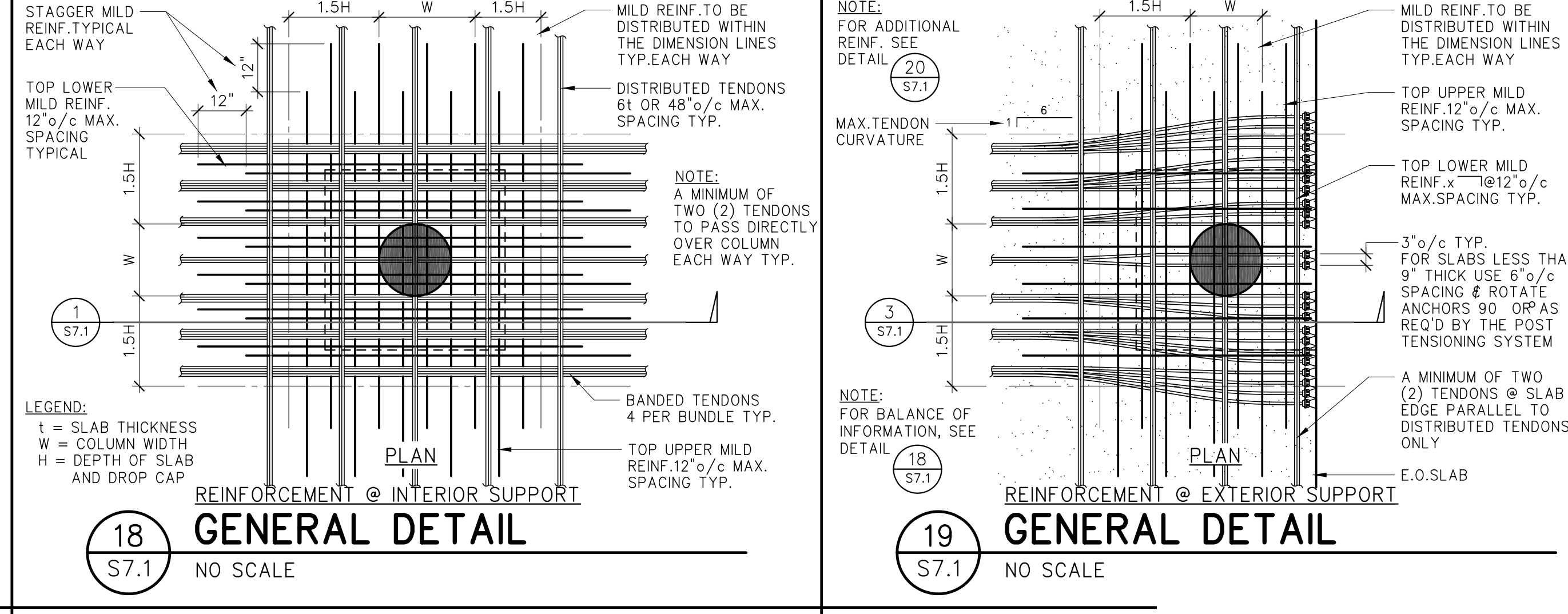
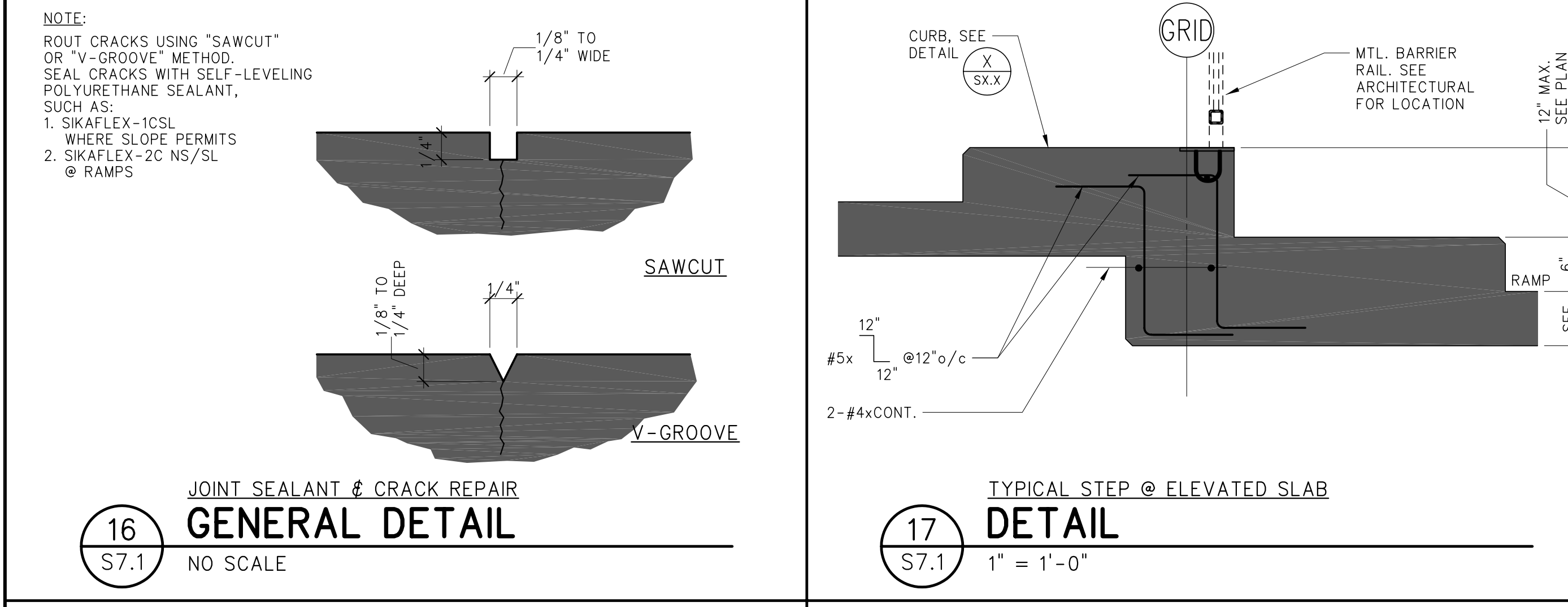
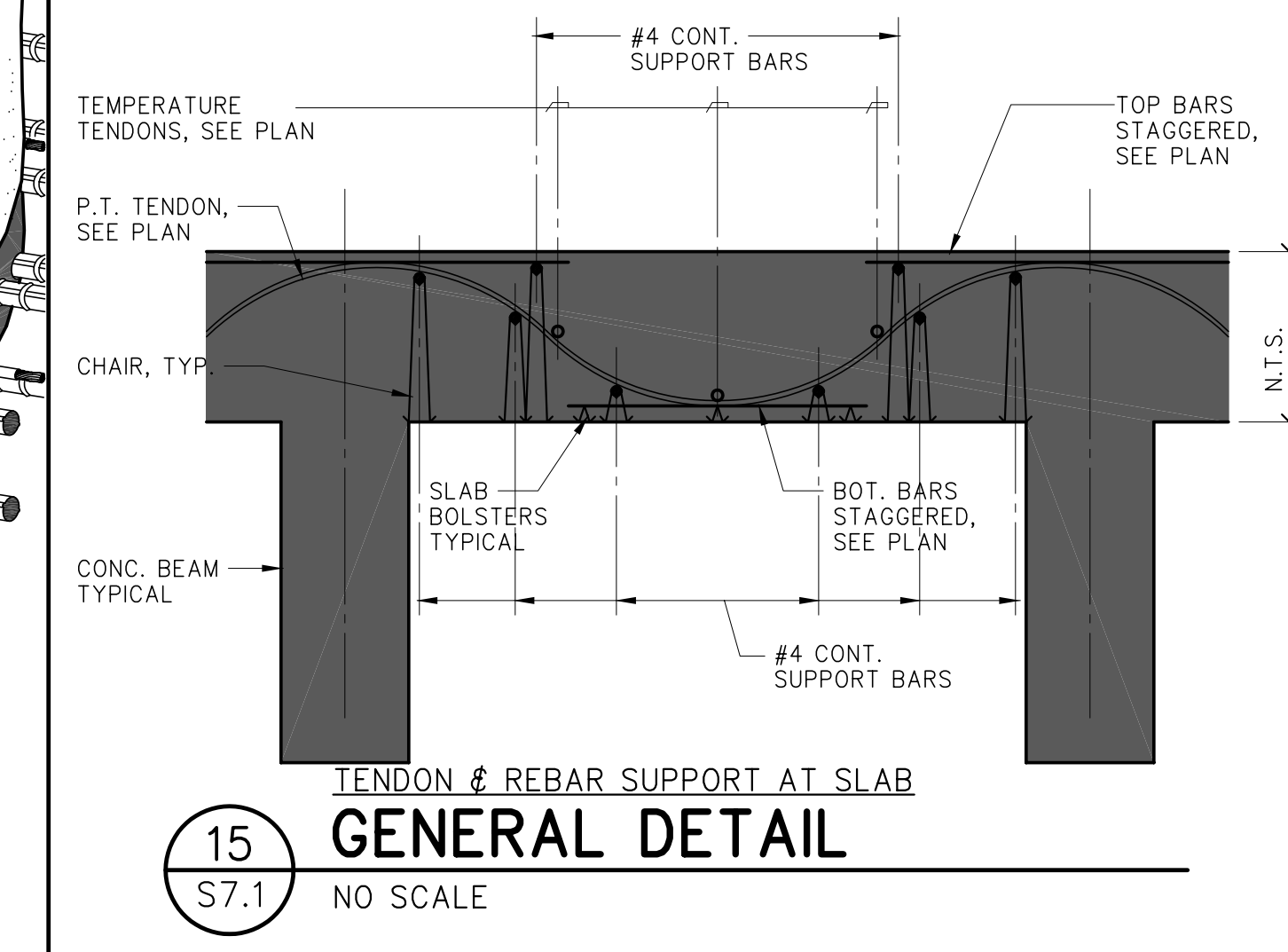
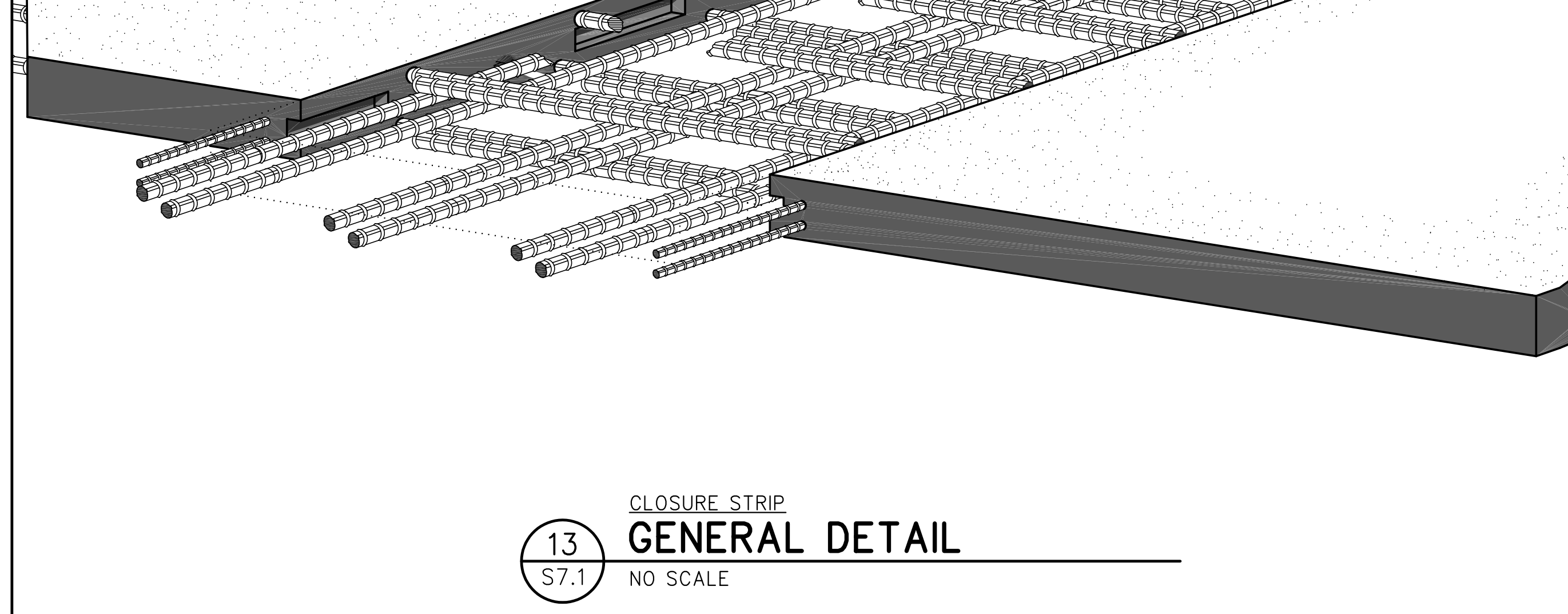
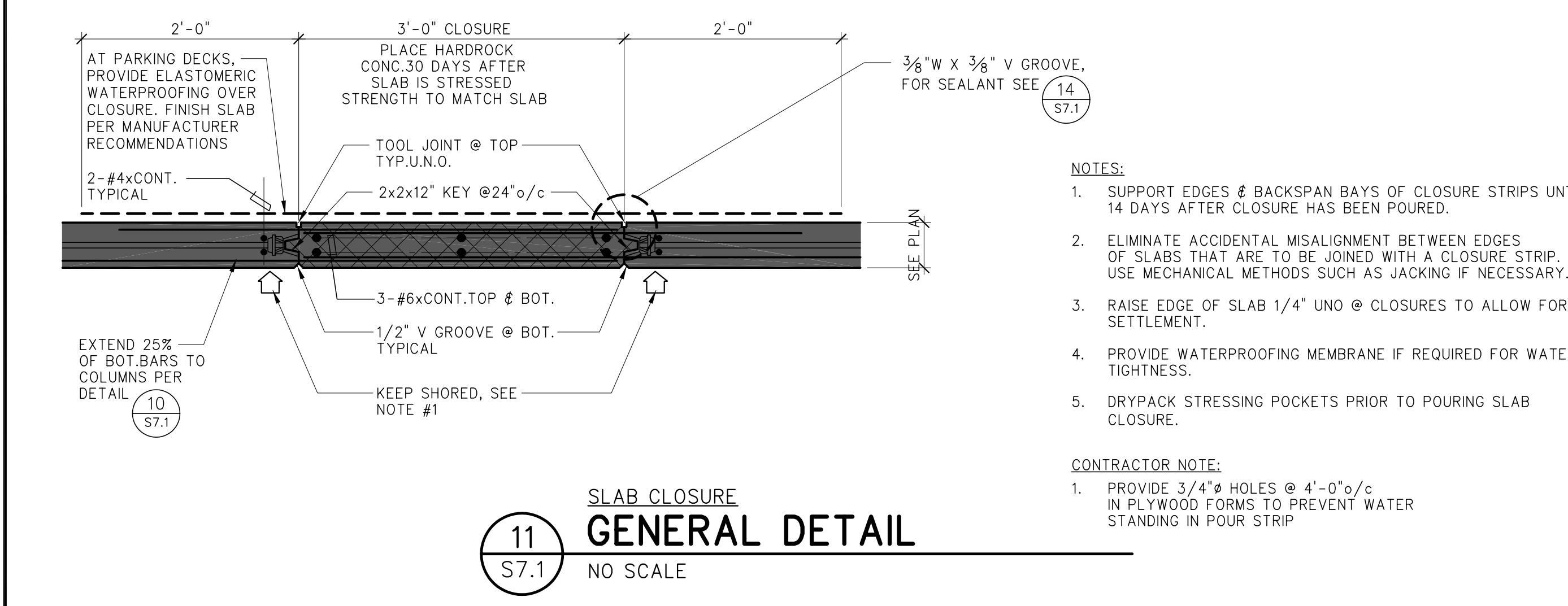
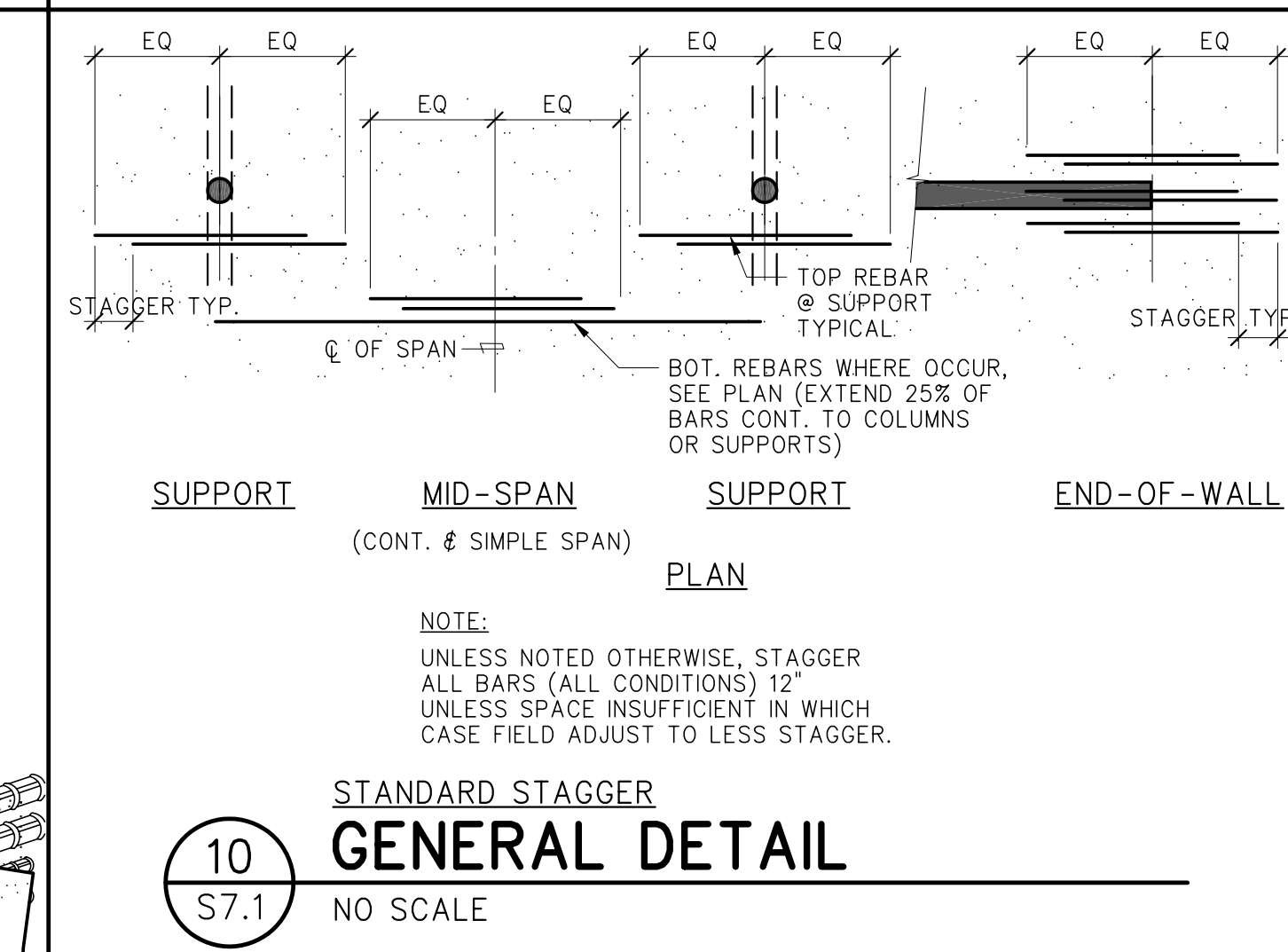
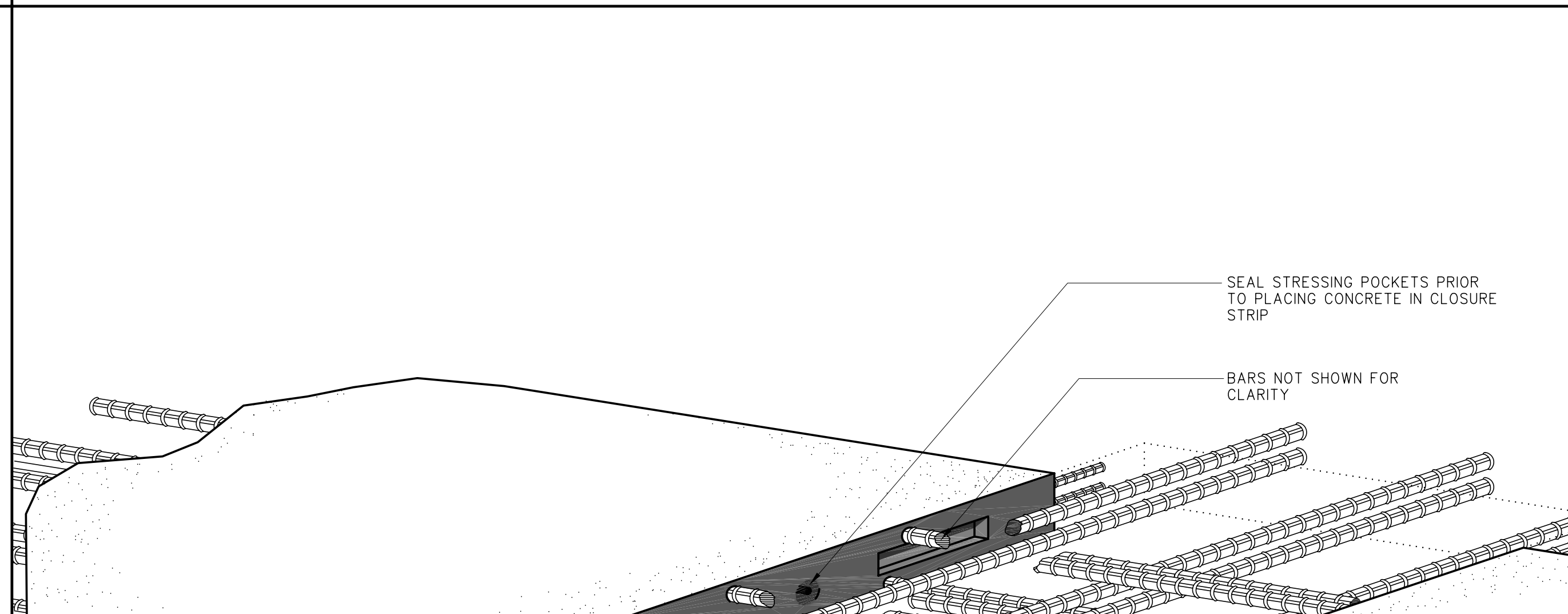
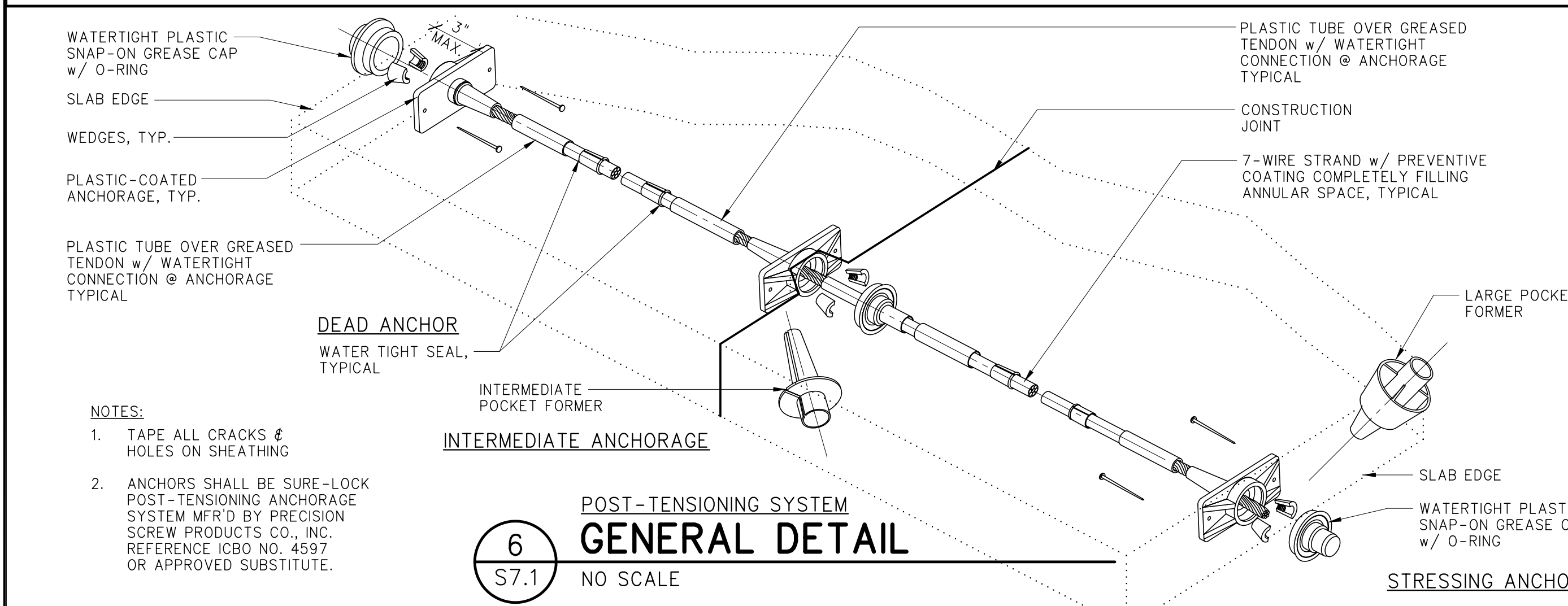
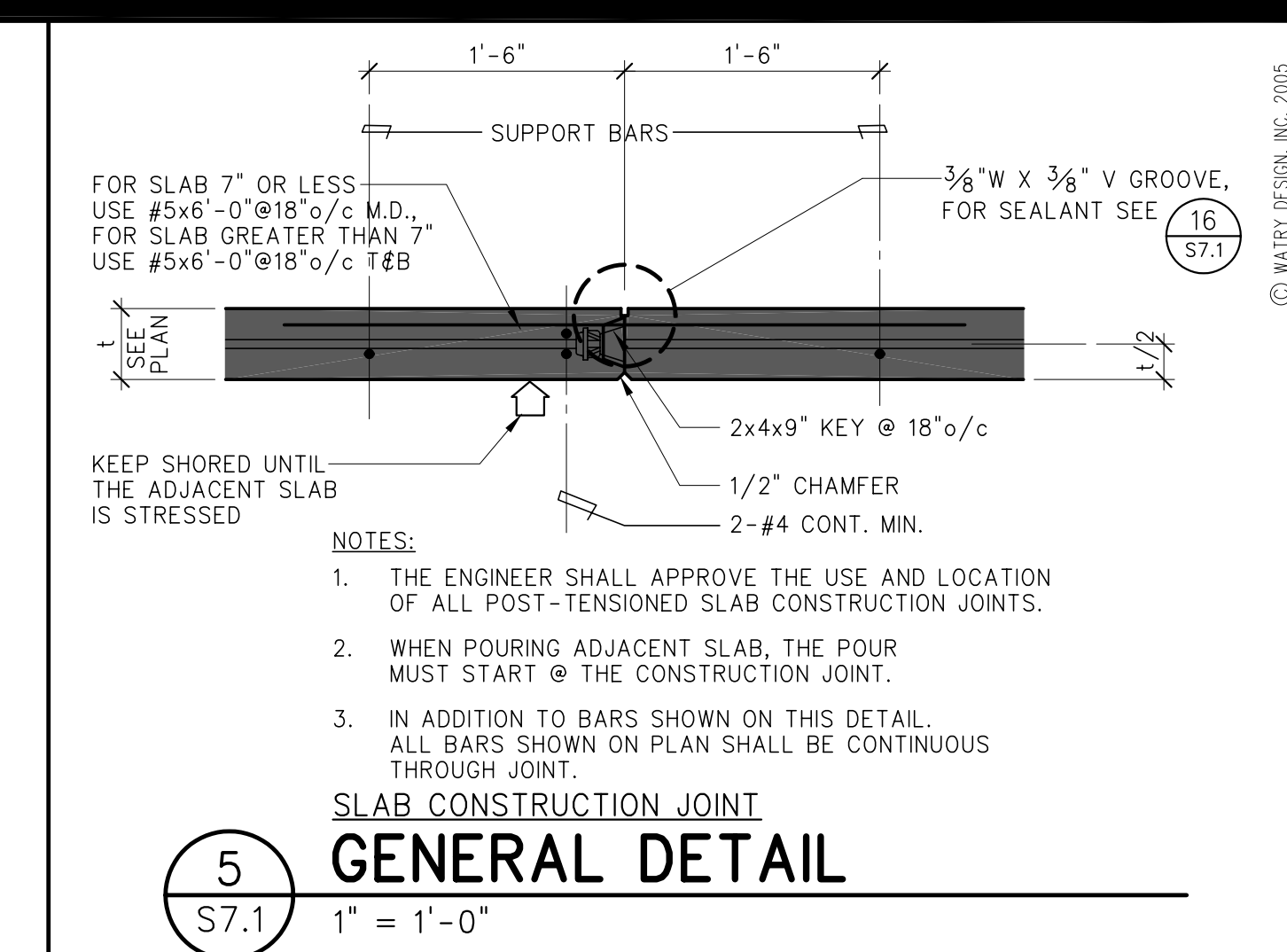
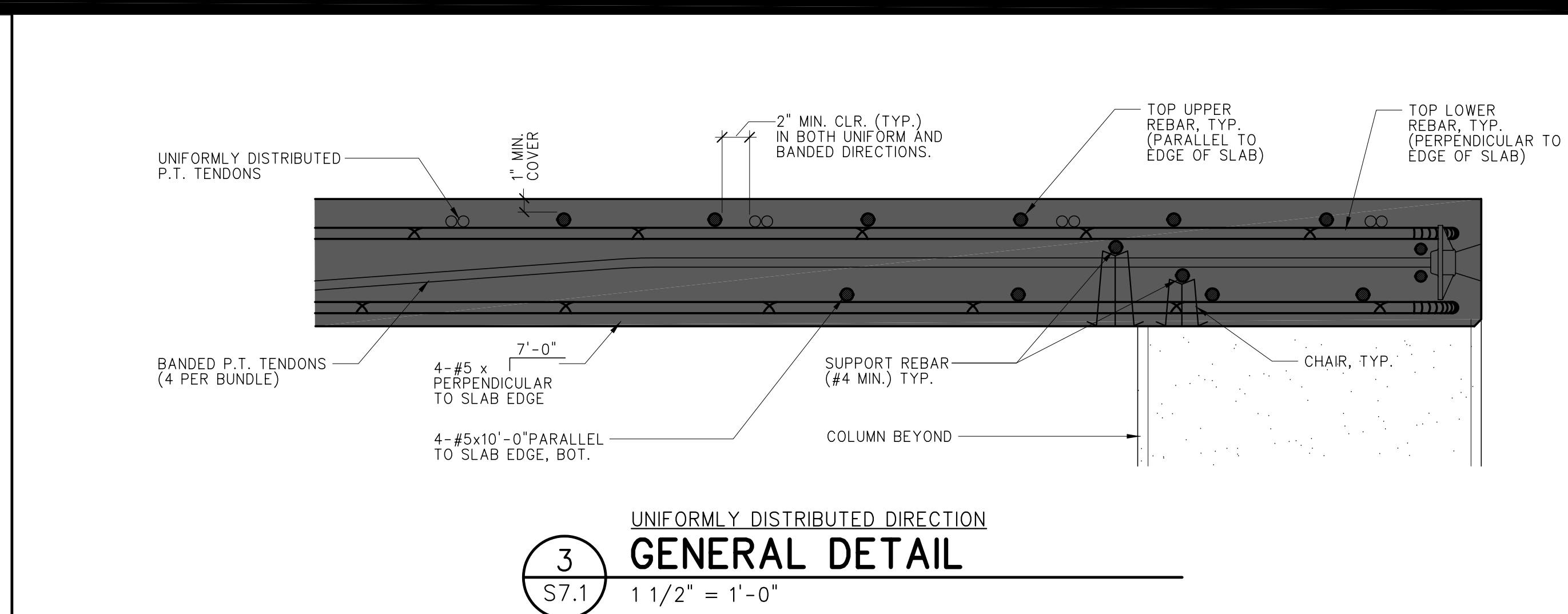
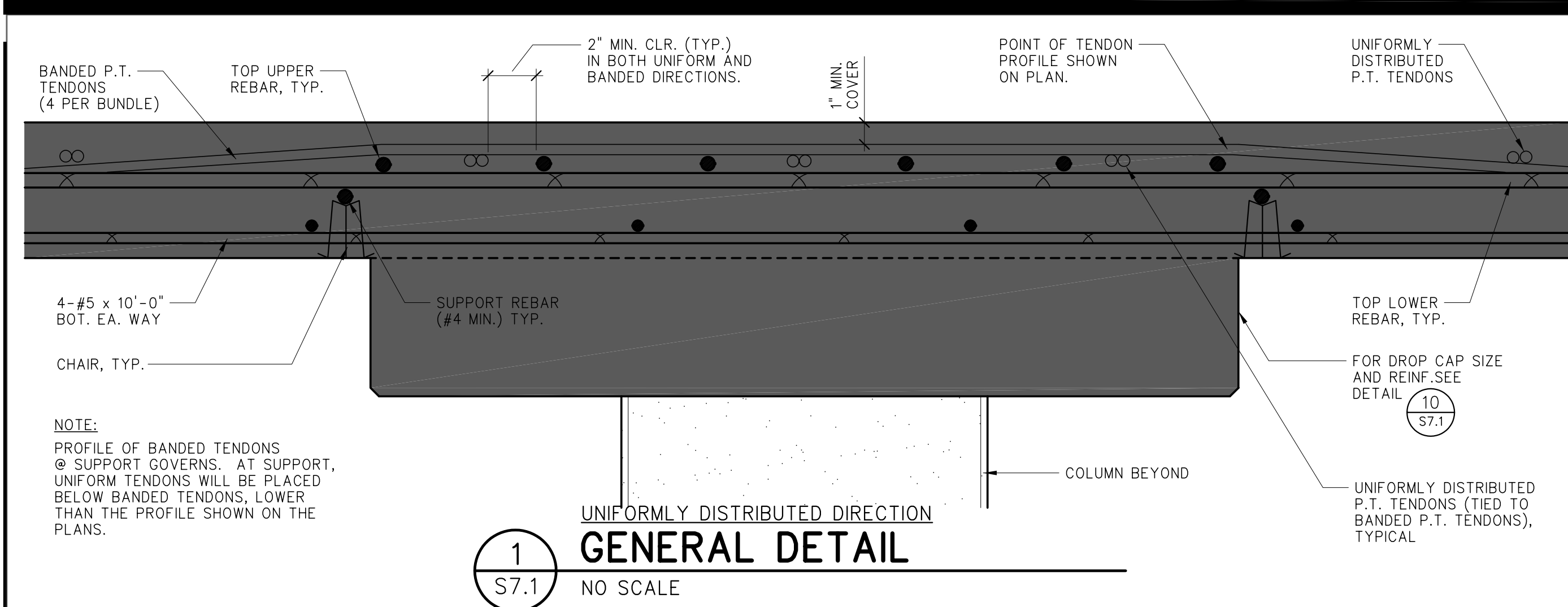


PRELIMINARY
 FOR REVIEW PURPOSES ONLY

CONCRETE BEAM: SPECIFIC DETAILS
**MOUNTAIN VIEW
 PARKING STRUCTURE**
 MOUNTAIN VIEW, CALIFORNIA

REVISIONS		
NO.	DATE	BY

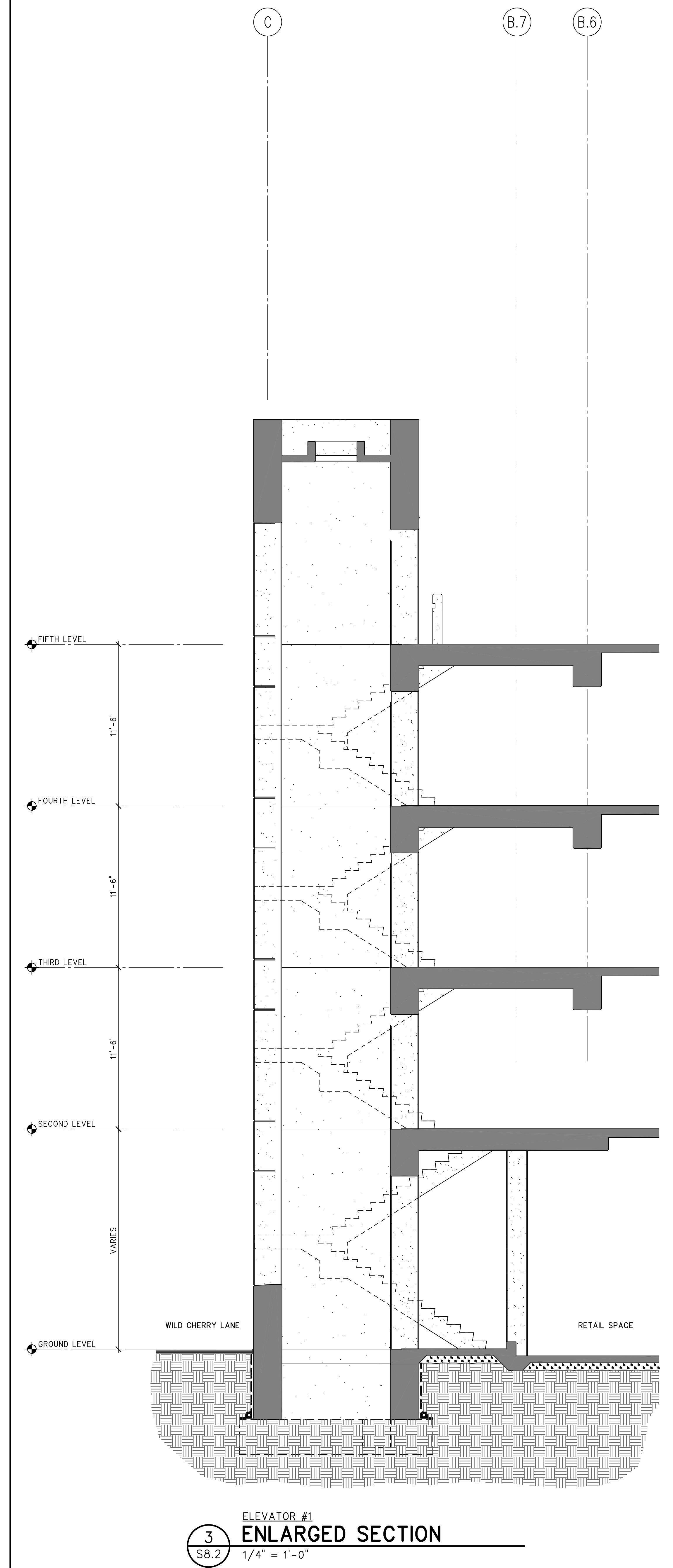
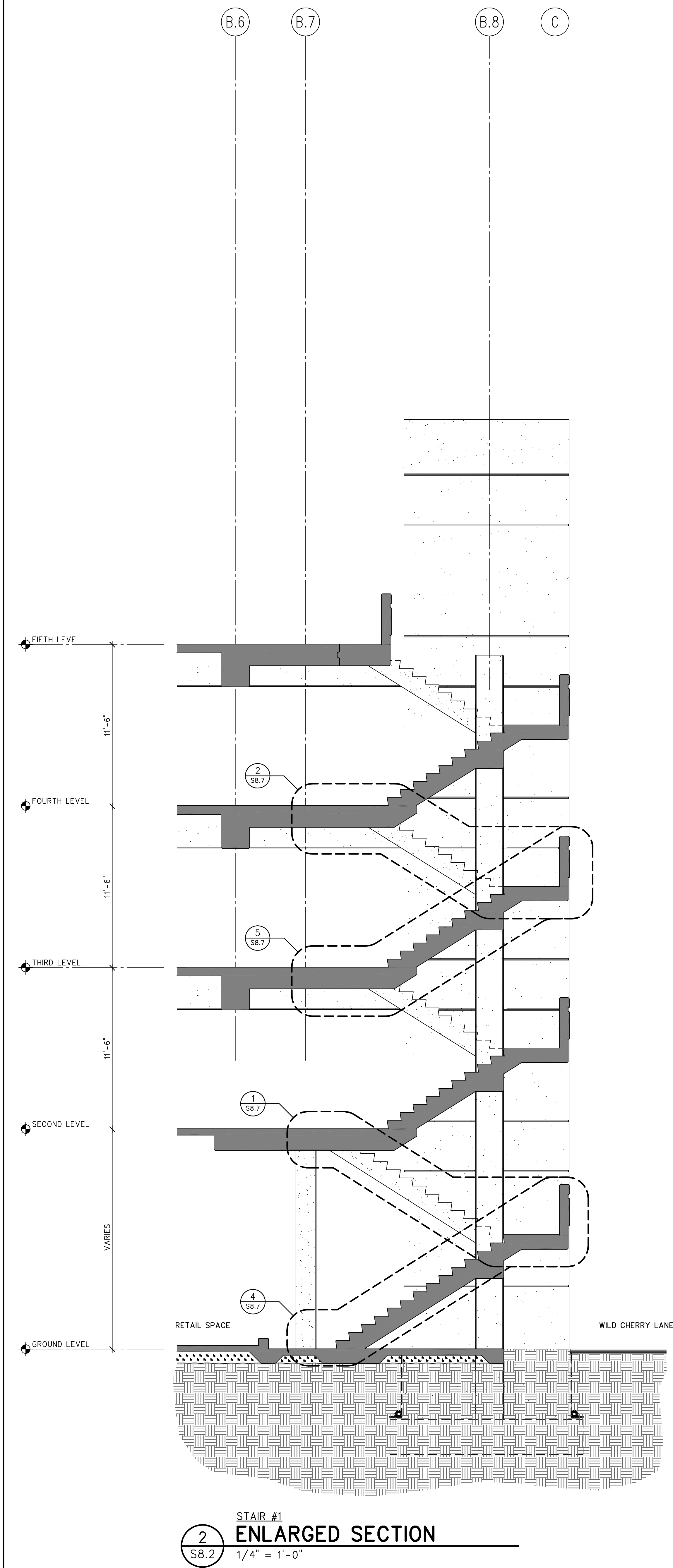
02-24-05	
80% WORKING DOCUMENTS	
JOB NO	: 02044
DATE	: 02-24-05
DESIGN	: J.A.McINERNEY
DRAWN	: DEPUY
CHECKED BY	: BLIGH
FILE NAME	: 0244S65
SHEET	



REVISIONS		
NO.	DATE	BY

**PRELIMINARY
FOR REVIEW PURPOSES ONLY**

PRELIMINARY
FOR REVIEW PURPOSES ONLY



ENLARGED ELEVATOR AND STAIR #1 SECTIONS

**MOUNTAIN VIEW
PARKING STRUCTURE**

MOUNTAIN VIEW, CALIFORNIA

REVISIONS		
NO.	DATE	BY

02-24-05
80% WORKING DOCUMENTS

JOB NO : 02044
DATE : 02-24-05
DESIGN : J.A.McINERNEY
DRAWN : TY
CHECKED BY : BLIGH
FILE NAME : 0244S82